CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, May 17, 1906.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S.), and Bidding sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close.	Work.	Place.	On file.	See issue.
May				
*18	Stand-pipe	Chatham, Va	P. & S	4-26
*19	Superstructure and flooring	Batavia, N. Y	P. S. & B. S	5-10
*21	Rebuilding road	Cape May, N. J	P. & S	5- 3
*24	Canal	Billings, Mont	P. & S	4-12
25	Bridge	Wilkes-Barre, Pa	P. S. & B. S	4-26
26	Centrifugal pumps	Portsmouth, N. H.	S	5-10
28	Dam	Hermison, Ore	P. S. & B. S	5- 3
*29	Main canal	Belle Fourche, S. Dak	S	4-26
29	Canal	Belle Fourche, S. Dak	S. & B. S	5-17
June				
*1	Heating plant	Fishers Island	P. S. & B. S	5- 3
*1	Sewers	Pensacola, Fla	P. S. & B. S	3-22
2	Motor generator sets	New York	S	5-17
9	Concrete sewer	Altoona, Pa	S	5- 3
*27	Storage works	Portland, Ore	P. S. & B. S	4-26
Sept.				
15	Hotel bldg	Manila, P. I	S	3-29

*Work advertised in Engineering News.

NOTE.—We are desirous of securing specifications and bidding sheets (and plans when not too bulky) of pending work for file in our New York office for the benefit of contractors or others who may be interested in the work. If more sets than one are sent us we shall be pleased to distribute these to contractors who ask for them. When the work is advertised in Engineering News a note that the plans are filed with us will be added to the advertisement without cost.

LIST OF CONTRACTS PENDING.

Bids close.	Work.	Place.	On file.	See issue.
	LIGHT, HEAT AND POWER PLANTS.			
May 18	Lighting	Pittsburg, Pa		May 17
May 23	Steam piping	New York, N. Y		May 10
May 29	Electric light plant	Clinton, S. C		May 10
May 28	Elec. power plant	Garden City, Kan		Apr. 5
	Advertised, Eng. News, Apr. 5 to May 10.			
June 1	Heating plant	Fishers Island		May 3
	Advertised, Eng. News, May 3.			
June 1	Light plant	Huntington, Utah		May 3
June 1	Electrical supplies	Fort Meade, S. Dak		May 3
	Advertised, Eng. News, May 3 to 24.			
June 1	Electric system	Fort Wood, N. Y		May 10
June 1	Electrical work	Omaha, Neb		May 10
June 2	Generators, etc.	Albany, N. Y		May 10
	Advertised, Eng. News, May 10 to 31.			
June 2	Machinery	Albany, N. Y		May 17
June 2	Motor generator	Washington, D. C		May 17
June 13	Transmission poles	Chicago, Ill		Apr. 26
	Advertised, Eng. News, Apr. 26.			
June 28	Power-house	Washington, D. C		May 17
	Advertised, Eng. News, May 17 to June 21.			
July 5	Water power for sale	Kenora, Ont		Mar. 15
	Advertised, Eng. News, Mar. 15.			
No date	Machinery	Commerce, Ga		May 17
	BRIDGES.			
May 17	Bridge, etc.	Jefferson, O		May 3
May 17	Bridge	Springfield, O		May 3
May 19	Steel bridge	Souris, Man		Apr. 19
May 19	Highway bridge	San Juen, P. R		Apr. 12
	Advertised, Eng. News, Apr. 12 to 26.			
May 21	Steel bridge	Spokane, Wash		May 17
May 22	Reinforced concrete brdge	Catskill, N. Y		May 17
	Advertised, Eng. News, May 17.			
May 22	Steel bridge	Alexandria, La		Apr. 26
May 22	Iron bridge	Camden, Tenn		May 10
May 25	Bridge	Wilkes-Barre, Pa		Apr. 26
May 26	Two spans	Denver, Colo		May 10
May 26	Superstructure	Maybell, Colo		May 10
May 26	Two bridges	Indianapolis, Ind		May 17
May 26	Nine culverts	Indianapolis, Ind		May 17
May 26	Bridge	Waynesville, O		May 17
June 1	Bridge	Tacoma, Wash		May 17
June 4	Bridge	Council Grove, Kans		May 17
June 6	Bridge	Toledo, Ore		May 17
June 6	Seven bridges	Fargo, N. Dak		May 17
June 7	Pipe-conduit bridge	N. Chicago, Ill		May 17
June 8	Steel bridge	Portland, Ore		May 10
June 30	Bridges	St. John, N. B		Apr. 12
No date	Five steel bridges	Batesville, Ark		May 10
No date	Two bridges	Lees Summit, Ark		May 10
	BUILDINGS.			
May 17	Building	Washington, D. C		May 3
	Advertised, Eng. News, May 3 and 10.			
May 17	Dormitory	New York, N. Y		May 10
May 18	Church	Auburg, N. Y		Apr. 26
May 21	Jail	St. Peter, Minn		Apr. 26
May 21	Army buildings	Laredo, Tex		Apr. 26
May 21	City hall	Pensacola, Fla		May 3
May 21	School	Cleveland, O		May 3
May 21	Buildings	New York, N. Y		May 10
May 21	Truant school	New York, N. Y		May 17
May 22	Vacuum cleaner	San Francisco, Cal		Apr. 26
June 7	Court-house	Peru, Ind		Apr. 26
Sept. 15	Hotel	Manila, P. I		Mar. 29
No date	Coliseum	Louisville, Ky		May 10
	WATER SUPPLY AND IRRIGATION.			
May 18	Stand-pipe	Chatham Va		Apr. 26
May 19	Meters	Nashville, Tenn		May 17
May 21	Water system	Rosalia, Wash		May 10
May 21	Infiltration gallery	Columbus, Ind		Apr. 26
	Advertised, Eng. News, Apr. 26 and May 3.			
May 21	Water system	Dickinson, N. Dak		May 10
May 22	Improvements	Fort Peck, Mont		May 3
May 23	Water tunnel	Chicago, Ill		May 3
	Advertised, Eng. News, May 3.			
May 25	Pipe	St. Stephens, N. B		May 17
May 25	Filter supplies	Lawrence, Mass		May 17
	Advertised, Eng. News, May 17.			
May 26	Pumping engine	Rockford, Ill. 6		May 3
May 26	Centrifugal pumps	Portsmouth, N. H		May 10
May 28	Pipe, etc.	Youngstown, O		May 17
	Advertised, Eng. News, May 17 and 24.			
May 29	Water system	Clinton, S. C		May 10
June 1	Water-works	Aurora, Minn		May 10
June 1	Water tower	Grand Rapids, Mich		May 10
	Advertised, Eng. News, May 10 and 17.			
June 2	Engines, etc.	Albany, N. Y		May 10
	Advertised, Eng. News, May 10 to 31.			
June 4	Air compressor	Galesburg, Ill		May 10
	Advertised, Eng. News, May 10 to 31.			
June 4	Deep well	Galesburg, Ill		May 10
	Advertised, Eng. News, May 10 to 31.			
June 4	Distribution system	Philadelphia, Pa		May 10
	Advertised, Eng. News, May 10, 17 and 31.			
June 4	Electrical pumping equipment			May 17
	Advertised, Eng. News, May 17 and 24.			
June 5	Reservoir embankment	La Junta, Colo		May 10
	Advertised, Eng. News, May 10 to 24.			
June 6	Meters	Atlanta, Ga		May 17
June 7	Water mains	North Chicago, Ill		May 3
June 20	Pumping station, etc.	Philadelphia, Pa		May 17
	Advertised, Eng. News, May 17 and 24 and June 14.			
July 7	Pumps	Garden City, Kans		May 17
	Advertised, Eng. News, May 17 to June 21.			
	SEWERAGE.			
May 20	Sewers	Newport, Ky		May 10
May 21	Sewers	Scranton, Pa		May 10
May 21	Sewer additions	Montgomery, Ala		May 3
May 21	Sewer	Wilkes-Barre, Pa		May 17
May 21	Sewer	Goshen, Ind		May 17
May 22	Sewer	Niagara Falls, N. Y		May 17
May 22	Sewers	Buffalo, N. Y		May 10
May 23	Pipe line	New York, N. Y		May 10
May 23	Sewer	Norfolk, Va		May 17
May 23	Sewer	Pensacola, Fla		May 17
May 24	Sewer	Canton, Ohio		May 17
June 1	Drains and sewers	Pensacola, Fla		Apr. 26
	Advertised, Eng. News, May 3 to 24.			
June 1	Sewer	Mauston, Wis		May 17
	Advertised, Eng. News, May 17.			
June 1	Sewers	Batavia, N. Y		May 17
	Advertised, Eng. News, May 17 and 24.			
June 5	Concrete work	Brownwood, Tex		May 10
June 8	Intercepting sewer	Mount Carmel, Pa		May 17
	Advertised, Eng. News, May 17 to 31.			
June 15	Sewer	Escanaba, Mich		May 5
June 15	Sewer construction	Escanaba, Mich		May 3
June 26	Sewer	Vacaville, Cal		Apr. 5
No date	Sewer construction	Evansville, Ind		May 3
No date	Sewer	Lincoln, Ill		May 10
No date	Sewer system	Batavia, Ill		May 10
	Advertised, Eng. News, May 10.			
No date	Sewer	Peru, Ind		May 10
	STREETS AND ROADS.			
May 18	Paving	Belvidere, Ill		May 17
May 18	Paving	Lincoln, Ill		May 17
May 19	Paving	Youngstown, Ohio		May 17
May 19	Road improvement	Youngstown, Ohio		May 17
May 19	Street paving, cement	Mansfield, Ohio		May 3
	Advertised, Eng. News, May 10.			
May 19	Macadam road	Clinton, Tenn		May 3
May 19	Macadamizing	Cincinnati, Ohio		May 3
May 21	Grading	St. Paul, Minn		May 10
May 21	Grading, etc.	Albany, N. Y		May 17
May 21	Road work	Cape May, N. J		May 17
May 21	Paving	Evansville, Ind		May 17
May 21	Brick pavement	Sullivan, Ind		May 17
	Advertised, Eng. News, May 17.			
May 22	Road construction	Toronto, Ont		May 17
May 23	Repaving	New York, N. Y		May 17
May 23	Paving	Marion, Ohio		May 17
May 24	Granite blocks	New York, N. Y		May 17
May 24	Repairs	New York, N. Y		May 17
May 24	Trap rock	New York, N. Y		May 17
May 24	Road construction	Dandridge, Tenn		May 3
May 25	Paving and curbing	Washington, D. C		May 3
	Advertised, Eng. News, May 3.			
May 25	Paving	Holyoke, Mass		May 17
	Advertised, Eng. News, May 17.			
May 26	Road improvement	Cleveland, Ohio		May 17
May 28	Road work	Albany, N. Y		May 17
May 28	Repaving, etc.	Binghamton, N. Y		May 17
	Advertised, Eng. News, May 17 and 24.			
May 28	Roads and walks	Fort Wood, N. Y		May 3
May 28	Grading, etc.	Salt Lake City, Utah		May 10
	Advertised, Eng. News, May 10 and 17.			
May 29	Paving	Troy, Ohio		May 17
May 31	Paving	Ashland, Ohio		May 17
May 31	Grading	North Chicago, Ill		May 3
	Advertised, Eng. News, May 3 and 10.			
June 1	Brick paving	Wheeling, W. Va		May 10
June 1	Brick paving	Fairmont, W. Va		May 10
June 4	Gravel roads	Columbus, Ind		May 17
June 4	Paving	Columbus, Ohio		May 17
June 5	Macadam road	Versailles, Ind		May 17
June 5	Road construction	Bloomfield, Ind		May 17
June 5	Sidewalks	St. Paul, Minn		May 10
June 9	Paving	Bridgeport, Conn		May 17
	Advertised, Eng. News, May 17 and 24.			
	MISCELLANEOUS CONTRACTS.			
May 17	Pontoons, etc.	New York, N. Y		May 10
May 18	Garbage	Indianapolis, Ind		May 10
May 19	Ditch	Brainerd, Minn		May 10
May 19	Flat cars	Panama		May 10
May 21	Stone breakwater	Buffalo, N. Y		Apr. 26
	Advertised, Eng. News, Apr. 26 to May 17.			
May 21	Miscell. supplies	Panama		May 3
	Advertised, Eng. News, May 3 and 10.			
May 21	Grading	Spokane, Wash		May 17
May 22	Vacuum cleaning	San Francisco, Cal		Apr. 19
	Advertised, Eng. News, Apr. 19 and 26.			
May 23	Dredging	New York, N. Y		Apr. 26
	Advertised, Eng. News, Apr. 26 to May 17.			
May 23	Water tunnel	Chicago, Ill		May 3
	Advertised, Eng. News, May 3.			
May 23	Dredging pump	Sorel, Que		May 17
May 24	Canal	Billings, Mont		Apr. 12
	Advertised, Eng. News, Apr. 12 to May 10.			
May 24	Subway	Auburn, N. Y		Apr. 19
	Advertised, Eng. News, Apr. 19.			
May 25	Steel bars, etc.	Augusta, Ga		May 10
May 25	Excavating	Sandusky, Ohio		May 17
	Advertised, Eng. News, May 17 and 24.			
May 26	Mail conveyors	Chicago, Ill		May 17
	Advertised, Eng. News, May 17 and 24.			
May 28	Lock and dam	Dallas, Tex		Apr. 12
	Advertised, Eng. News, Apr. 12 & 19 and May 7 & 24.			
May 29	Main canal	Belle Fourche, S. Dak		Apr. 26
	Advertised, Eng. News, Apr. 26 to May 17.			
May 29	Canal	Belle Fourche, S. Dak		May 17
May 31	Drainage	Osceola, Ark		May 10
	Advertised, Eng. News, May 10.			
June 2	Two battleships	Washington, D. C		Apr. 5
June 4	Ditch	Muscatine, Ia		May 3
June 4	Dredging	Ft. Totten, N. Y		May 10
	Advertised, Eng. News, May 10 to 31.			
June 5	Dikes	New York, N. Y		May 10
	Advertised, Eng. News, May 10 to 31.			
June 5	Reservoir embankment	La Junta, Colo		May 10
	Advertised, Eng. News, May 10 to 31.			
June 6	Dredging plant	Cuba		Apr. 5
	Advertised, Eng. News, Apr. 5 to May 31.			
June 8	Cement	Portland, Ore		May 17
	Advertised, Eng. News, May 17 to 31.			
June 14	Dredging	Cocheco River, N. H		May 17
June 14	Wharf and laundry	Savannah, Ga		May 17
	Advertised, Eng. News, May 17 and 24.			
June 15	Building material	West Point, N. Y		May 17
	Advertised, Eng. News, May 17 to June 7.			
June 15	Distributing system	Mitchell, Neb		May 3
	Advertised, Eng. News, May 3 to 24.			
June 20	Canal	Billings, Mont		May 17
	Advertised, Eng. News, May 17 to June 14.			
June 21	Canal	Klamath Falls, Ore		May 17
June 27	Storage works	Portland, Ore		Apr. 26
	Advertised, Eng. News, Apr. 26 to May 10.			
June 28	Dam	Hermiston, Ore		May 3
	Advertised, Eng. News, May 3 to June 7.			
June 29	Canal	Portland, Ore		May 10
	Advertised, Eng. News, May 10 to June 7.			
July 11	Butterfly dam	Chicago, Ill		May 17
	Advertised, Eng. News, May 17.			
Sept. 4	Railway supplies	Siam (Foreign)		Apr. 26
	Advertised, Eng. News, April 26.			
	CIVIL SERVICE EXAMINATIONS.			
May 19	Nautical Expert	Washington, D. C		Apr. 19
May 23	Mechanician	Virginia		May 3
May 26	Asst. C. E.	Albany, N. Y		Apr. 26
	Advertised, Eng. News, Apr. 26 and May 3.			
May 26	Bridge Designer	Albany, N. Y		Apr. 26
	Advertised, Eng. News, Apr. 26 and May 3.			
May 26	C. E. Draftsman	Albany, N. Y		Apr. 26
	Advertised, Eng. News, Apr. 26 and May 3.			
May 26	Jr. Bridge Draftsman	Albany, N. Y		Apr. 26
	Advertised, Eng. News, Apr. 26 and May 3.			
May 26	Leveler	Albany, N. Y		Apr. 26
	Advertised, Eng. News, Apr. 26 and May 3.			
June 2	Chainman-Rodman	New York, N. Y		May 10
	Advertised, Eng. News, May 3.			
June 2	Asst. Engr.	New York, N. Y		May 10
	Advertised, Eng. News, May 3.			
June 2	Topo. Draftsman	New York, N. Y		May 10
	Advertised, Eng. News, May 3.			
June 6	Topo. Draftsman	Panama		May 10
June 6	Mech. Draftsman	Panama		May 3
June 6	Assay Asst.	Washington, D. C		May 3
June 6	Aid, Coast Survey	Washington, D.C		May 3
June 6	Draftsman	Idaho, etc		May 8
June 7	Inspector of Carpentry, etc.	New York		May 17
June 12	Inspector, pipe laying	New York, N.Y		May 17
June 13	Mech. Supt.	Manila, P. I		May 17
June 13	Statistician	Washington, D. C		May 17
June 13	Engineer, etc.	Winnebago, Nebr		May 17
June 13	Mech. Draftsman	Rock Island, Ill		May 17
June 13	Custodian	West Point, N. Y		May 17
June 13	Map Printer	Washington, D. C		May 17

TO ENGINEERS AND CONTRACTORS

ENGINEERING NEWS desires to obtain the **earliest possible reliable information** concerning all projected work. We will appreciate any items that you may send us. Copies containing such information will be mailed to you, upon request.

ADDRESS

Wainwright A. S. Randall, Editor,
The Construction News Department.

PROPOSED WORK

ENGINEERING NEWS desires to obtain the **earliest possible reliable information** concerning all projected work. We will appreciate any items that you may send us. Copies containing such information will be mailed to you, upon request.

Address, **WAINWRIGHT RANDALL**
Editor Construction News

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

TENNESSEE & NORTH CAROLINA.—P. T. Bauman, Gen. Supt. and Audr. of this company, writes that he has been incorrectly quoted, and that surveys for the proposed extension to Canton have not been made.

BALTIMORE & OHIO.—Contract for the enlargement of the Baltimore & Ohio terminal yards at Brunswick, Md., has been awarded to F. H. CLEMENT & CO., Land Title Bldg., Philadelphia, Pa., at about $750,000.

RIO GRANDE WESTERN.—Contract for the construction of a 14-mile branch to the Utah Copper mine, from Revere, Utah, has been awarded to the UTAH CONSTRUCTION CO., of Ogden. E. J. Yard, Denver, Colo., is Ch. Engr.

NEWTON & NORTHWESTERN.—A contract has been awarded by this company to MURRAY BROS., of Cedar Rapids, for grading its proposed line to Fort Dodge. The work calls for the removal of about 300,000 cu. yds. of earth.

DUBLIN & SOUTHWESTERN.—According to press reports, the directors of this company have voted to extend the road from Eastman, Ga., to Cordele, Fitzgerald, Abbeyville or Barrow's Bluff. W. J. Kessler, Dublin, Ga., is Gen. Mgr.

FRANKLIN & SOUTHEASTERN.—We are officially advised that all construction work contemplated by this road, which has just been incorporated, will be directed by C. W. Deeming, of La Grange, Ga. The proposed route of the road is from Franklin to Hogansville, Ga.

CHICAGO, BURLINGTON & QUINCY.—Contract has been awarded to KILPATRICK BROS. & COLLINS, of Beatrice, Nebr., for double-tracking the Chicago, Burlington & Quincy line from Lincoln to Milford, Nebr., and for building new yards at Lincoln. T. E. Calvert, Chicago, Ill., is Ch. Engr.

CINCINNATI, BLUFFTON & CHICAGO.—We are officially informed that on May 5th the Receiver of the Cincinnati, Bluffton & Chicago R. R. was discharged. S. H. Bracey, Pres., Chicago, Ill., says that in the near future work will begin on the construction of 42 additional miles of road. J. C. Curtis is Audr. and Gen. Mgr.

COLORADO SOUTHERN.—We are advised that this company will build a line from Trinidad, Colo., on the Colorado & Southern, to connect with the southern extension of the Cripple Creek Central Railway, the old Denver & Southwestern, which it would appear is to be ultimately absorbed by the Colorado & Southern. H. W. Cowan, Denver, Colo., is Ch. Engr.

CANADIAN NORTHERN.—It is announced that the Canadian Northern Ry. Co. will extend its line to the Atlantic seaboard through the Maritime Provinces. The plan is to build a new line from Moncton to Quebec, which will practically parallel the Grand Trunk Pacific Co.'s new line. Wm. Mackenzie, Toronto, is Pres. W. H. McLeod, Winnipeg, Man., is Ch. Engr.

VIRGINIA-CAROLINA RY.—We are officially informed that the Virginia-Carolina R. R. Co. has a number of engineers at work on its proposed line from Taylors Valley, Va., across White Top mountain to Horse Creek; from there to the state line and from that point by the most direct route to connect with the Southern R. R., a distance of 53 miles. W. E. Mingea, Abingdon, Va., is Pres.

HAYS CITY & GREAT NORTHERN.—A charter has been granted a company under this name in Kansas, with a capital of $500,000, to build a railroad from Greatbend northwest through Barton County to Hays, and thence north to a connection with the Oakley branch of the Union Pacific, either in Rooks or Graham County, a distance of 90 miles. E. L. Peckham, of Blackwell, Okla; J. H. Ward, H. T. Shaffer and others of Hays City are interested.

KLONDIKE.—The railway commission of Canada has granted a concession for the first railroad to be built in the Klondike region. The road will start at Dawson City, and will run 80 miles into regions that are now reached by dog sleds. It is hoped to have 30 miles of the road in operation within six months. The offices of the road will be at Ottawa. The company is capitalized at $3,000,000. H. B. McGivern will be Vice-Pres. and Gen. Mgr.; Real Hayden, Sec'y; and H. Bloomfield Smith, Consult. Eng.

NIAGARA, ST. CATHERINES & TORONTO.—Contracts for the extension of the Niagara, St. Catherines & Toronto Railway has been awarded to JOSEPH BATTLE, of Thorald, Ont. The proposed extension is from Thorald to Welland and Fonthill. The CANADA FOUNDRY CO., of Toronto Junction, was awarded the contract for all the permanent bridges, and the wooden trestle work will be either replaced with steel or filled in with earth. Work is to commence at once. Fred Nichols, Toronto, Ont., is Pres.; W. T. Jennings, St. Catherines, Ont., is Ch. Engr.

DELAWARE, LACKAWANNA & WESTERN.—The contract for building nine miles of three-track railroad between Moscow and Gouldsboro for the Delaware, Lackawanna & Western R. R. Co. is stated to have been awarded to BURKE BROS., Burr Bldg., Scranton, Pa. The purpose is to remove the sharp curves which exist on the steep grade to Gouldsboro.

An agreement has been filed in Jersey City, N. J., ending the controversy between this company and the Hudson & Manhattan R. R., concerning right of way. The H. & M. will build a subway under the tracks of the Lackawanna to connect Hoboken with the tunnel from Jersey City to Manhattan.

ILLINOIS, INDIANA & GARY.—Articles of incorporation have been filed for the Illinois, Indiana and Gary Ry. Co., which proposes to build a road connecting with the Illinois, Iowa and Minnesota road at Peotone, Ill., to the Indiana State line. At the same time, at Madison, Wis., a charter was taken out for the Milwaukee, Rockford and Eastern R. R. Co., which is to build from the State line at Beloit, through Janesville, into Milwaukee. The incorporators of the companies are H. W. Seaman, Clinton, Iowa; B. H. Harris, F. M. Clark, Chicago; and J. C. Duffin, DeKalb, Ill. The completed road will pass through the cities of Janesville, Beloit, DeKalb, Aurora and Joliet.

GREAT NORTHERN.—C. N. Bell, Secretary of the Winnipeg Board of Trade, writes as follows regarding the proposed extension of this road from Winnipeg to the Pacific coast: "The Great Northern R. R. has purchased right-of-way directly into the centre of this city at a cost reported to be, for the city property alone, $2,500,000. I understand the right-of-way from the International boundary line to the city has been secured. A line from the terminus of one of its Dakota branches to the town of Portage la Prairie, 60 miles west of Winnipeg, is now being rushed to completion. Mr. J. J. Hill has stated definitely that the Great Northern will be constructed in Canadian Territory from Winnipeg to the Pacific Coast, and there is every indication that he means just what he has said."

PENNSYLVANIA R. R.—It is reported that contracts will be let soon for the construction of a double-track system for the Cleveland & Pittsburg, a branch of the Pennsylvania R. R., from Wellsville to Steubenville, Ohio.

The construction of a large power dam in the Susquehanna River at McCall's Ferry, by the McCall's Ferry Power Co. will necessitate the relocation of about 14 miles of the road-bed of the Columbia & Port Deposit R. R., a part of the Pennsylvania system, in order to place it above the high-water level of the dam when completed. The entire road-bed of the line from Shenk's Ferry to Peach Bottom will be rebuilt at a 20-ft. higher level. Contract for building the relocated road-bed has been awarded to H. S. KERBAUGH, of Port Deposit, Md., who began operations this week.

The Joint Committee of Streets and Railroads of the Council of Camden, N. J., is reported to have decided to recommend the acceptance of the proposition of the Pennsylvania R. R. Co., relative to the proposed plans for elevated work in Camden. The plans provide that Mickel St. be widened between Fifth and West Sts. W. H. Brown, Philadelphia, is Ch. Engr.

ATLANTA, BIRMINGHAM & ATLANTIC.—It is reported that this company has just closed a deal by which it secured a site, and will probably build freight terminals in Atlanta. Surveys are being made for the proposed branch from Warm Springs to Atlanta, Ga., about 70 miles. This branch is to be built for the purpose of connecting with the Brunswick-Birmingham line now under construction. The company also has under survey a line from Atlanta west towards the Brunswick-Birmingham line, which it is expected will connect with the latter at a point east of Talladega, Ala. Track has been laid on the main line from Montezuma to Talbotton, Ga., 44 miles, and work is in progress from Talbotton to Talladega, Ala., 150 miles. The company has three locating parties in the field between Talladega and Birmingham, about 70 miles, and it is expected to begin construction between these points as well as on the branch from Atlanta to Warm Springs, Ga., within the next 60 days. Construction will begin on the line from Atlanta towards Talladega in about six months. The contractors for the main line between Talbotton and Talladega are C. D. SMITH & CO., of Memphis, Tenn.; the CALLAHAN CONSTRUCTION COMPANY, of Knoxville, Tenn.; and WRIGHT, WILLIAMS & WADLEY, of Roanoke, Ala. H. M. Atkinson is Pres.; George Dole Wadley, Vice-Pres. and Gen. Mgr., and Alex. Bonnyman, Ch. Engr.; all with headquarters at Atlanta, Ga.

ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

FAIRCHANCE, PA.—The charter of the Fairchance & Smithfield Traction Co. has been approved by Gov. S. W. Pennypacker. The company has received right-of-way and has completed surveys for the construction of an electric railway from Fairchance to Smithfield, Pa., via the York Run, Shoaf, Whyel and Gilmour coke plants. Capital of $200,000 is secured. Incorporators are Albert Gaddis, H. B. Gans, Wilbur Dunn, Thomas P. Jones, and Wm. L. Gans.

TOLCHESTER BEACH, MD.—Alva A. Lamkin, Secy. of the Kent Traction Co., writes that right-of-way has all been secured and that contracts for the construction of the company's line, from Tolchester to Chestertown, via Fairlee, will be let in about 60 days. The motive power is to be gasoline.

WHEELING, W. VA.—Contract has been awarded by the Wheeling Traction Co. to DIXON & PICKETT, of Martin's Ferry, for constructing a double track from 48th St. to Jim's Run.

MARION, OHIO.—John G. Webb, Pres., of the Columbus, Delaware & Marion Railway Co., says that as soon as a few stretches of uncompleted right-of-way have been secured, work of grading for the extension from Marion to Bucyrus will be started. All preliminary work has been performed and the company has a large amount of material on hand for commencing the work. A 200-KW. Curtis turbine has been constructed for, for an addition to the Stratford power station, which will take care of the extension.

GALION, OHIO.—The Galion, Mt. Gilead and Delaware Electric Ry. Co. has been incorporated by Geo. P. Ruhl, John McNeal, W. P. Vaughn and others. It is planned to construct a line paralleling the C. C. C. & St. L. railway from Galion through Mt. Gilead, Cardington and Ashley to Delaware.

MT. VERNON, OHIO.—Contract for the construction of the new Vernon View Electric Railway, including tracks and trolley, has been awarded to the WILKINSON ELECTRIC CO. The grading is being done by the TRI-STATE LAND CO.

VAN WERT, OHIO.—I. R. Tudor, Lee R. Bonewitz, J. J. Humphreys, L. E. Gleason and F. L. Webster, all of Van Wert, are the incorporators of the Cleveland, Van Wert and Indiana Electric Ry. Co., which will build a line from Norwalk, Ohio, to the Indiana State line, via Tiffin, Findlay, Ottawa, Kalida, Ottoville and Van Wert.

BROWNSBURG, IND.—The Central Railway Co. of Indiana has been incorporated to build an electric belt line, about 100 miles long, in the counties of Hendricks, Morgan, Johnson, Marion, Shelby, Hancock and Boone, with the principal terminal at Brownsburg, Hendricks County. The route includes Tyrone, Avon, Plainfield or Bridgeport, Mooresville, Smith Valley, Greenwood, Acton, New Palestine, Philadelphia or Greenfield, Mohawk, Fortville, Fisher's Station, Carmel and Zionsville. Capital stock, $100,000. Incorporators: Charles H. Burras of Chicago, E. E. Flickinger, John V. Wagoner, William Houze and L. B. Mercer of Brownsville.

CHICAGO, ILL.—We are officially informed that the Chicago & Elgin Ry. Co., formerly the Elgin & Du Page Co., has survey for an electric line in extension of the Chicago & Oak Park Electric R. R. nearly completed. The road will extend from River Forest to Elgin, a distance of 30 miles. F. W. Kobusch, Bloomingdale, Ill., is Pres., and Emil Rudolph, Chicago, is Ch. Engr.

MILWAUKEE, WIS.—Articles of incorporation of the Milwaukee, Rockford & Eastern Ry. Co. have been filed at Madison. The capital stock is $100,000. The company proposes to build 75 miles of road in Milwaukee, Waukesha, Walworth and Rock Counties. H. W. Seaman is the principal stockholder. Other stockholders are H. H. Harris, Frank M. Clark and W. F. McSwiney, Chicago, and J. C. Duffin, Rockford, Ill. The proposed route of the road is from Milwaukee to Beloit.

DES MOINES, IOWA.—The Fort Dodge, Des Moines & Southern Ry. Co., which is building the interurban electric line from Des Moines to Fort Dodge, Iowa, for the Newton & Northwestern, has let the contract for the section of the line from Lanyan to Fort Dodge, 21 miles, to MURRAY BROS., of Cedar Rapids, Iowa. The grading is to be completed by September 30. The road is to cross the Des Moines River at Kalo, a few miles south of Fort Dodge. Contract for the bridge has been let to the AMERICAN BRIDGE CO.

We are officially informed by A. E. Park, Gen. Mgr. of the Des Moines, Winterset & Creston Electric Ry. Co., that all preliminary work on the line from Des Moines to Creston, via Valley Junction, Winterset and Macksburg, has been completed. He announces that most of the capital has been secured, but that the company will take no steps toward letting contracts until the total estimated cost of construction and equipment is raised. W. D. Skinner, Des Moines, is Pres.

KANSAS CITY, MO.—We are officially informed that the Kansas City & Belton R. R. Co., recently incorporated, will build a line 28 miles long from Kansas City, through Dallas and Grand View, to Belton, Mo. Geo. W. Scott, of Belton, Vice-Pres. of the road, writes us that about $50,000 has been subscribed and that right-of-way is being secured. Either electricity or gasoline will be the motive power. Walter Bales, Kansas City, is Pres.

SEDALIA, MO.—J. W. Mellor, Chn. of the Executive Committee of the Missouri Interurban Ry. Co., writes us that engineers are in the field and that the survey of the proposed line from Sedalia to Jefferson City, via Otterville, Bunceton, Prairie Home and California will be completed by June 17. A meeting of the company will be held in Sedalia on that date, and if the report of the engineers is satisfactory construction work will begin at once. B. H. Colby, 812 Security Bldg., St. Louis, is Ch. Engr.

OKLAHOMA CITY, OKLA.—The Oklahoma City; Sherman Collins, Secy. and Chn. to build a line 40 miles long, including sidings, from Oklahoma City to Shawnee. Two routes are under consideration, but it is not decided when construction bids will be opened. The directors are W. F. Young, Pres., Oklahoma City; Sherman Collins, Secy. and Chn. Executive Board, Ithaca, N. Y.; O. P. Workman, Treas., Oklahoma City; Daniel Ketchum and William H. Crane, Adrian, Mich.; Douglas B. Crane and James B. Kinne, Oklahoma City.

ENID, OKLA.—We are officially advised by W. L. Spencer, of Enid, Okla., that capital is partly paid in and right-of-way secured for about eight miles of the proposed line of the W. L. Spencer Street Ry. Co. It is planned to build this section of the line within a year. The company is asking bids on steel and ties. Motive power is to be electricity.

TACOMA, WASH.—It is reported that the Tacoma Railway & Power Co. has completed arrangements for double tracking its Jefferson Ave. line between South 17th and South 27th Sts. Construction will immediately commence. W. S. Dimmock is Mgr.

NORTH YAKIMA, WASH.—It is reported that D. E. Gould, 53 Devonshire Bldg., Boston, Mass., is promoting the construction of a suburban electric railway at North Yakima.

PORTLAND, ORE.—Lafe Pence has been granted franchise to build a double track electric railway along the east side of St. Helens Road from Portland to Linnton. The company agrees to furnish county with sufficient crushed rock or gravel for macadamizing the road the full 60 ft. 20 ft. for car line has been approved. The County Court retains the right to decide on kind of paving to be used. Road must be of modern construction, rails to weigh 60 lbs. per yd. Mr. Pence declares that the road will be extended into Washington through Cornelius Pass.

LIGHT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

WORCESTER, MASS.—Contract has been awarded the WORCESTER ELECTRIC LIGHT CO. for lighting the city at $91.25 per lamp per year. A new system of enclosed lamps will be installed.

NEW HARTFORD, N. Y.—The Hudson River Electric Co. has been granted a franchise to erect poles and string wires on the streets for the purpose of furnishing light and power.

PEEKSKILL, N. Y.—It is reported that the Peekskill Lighting and Railroad Co. has been acquired by F. A. Stratton of Mount Vernon, who is in control of the Northern Westchester Lighting Co., and a new plant and additional machinery will be contracted for immediately.

NEW YORK, N. Y.—Bids are asked until 11 a. m., June 2, by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for furnishing two motor generator sets and appurtenances at the Navy Yard, New York. Specifications are on file at the office of Engineering News, New York. Mordecai T. Endicott is Ch. of Bureau.

ALBANY, N. Y.—Bids are asked until noon, June 2, by J. G. White & Co., Inc., 43-49 Exchange Place, New York, for furnishing and installing electrical machinery in the State Capitol Building.

MECHANICSBURG, PA.—It is reported that the HEISEY ELECTRIC CO., of York Haven, has been awarded the contract for lighting at $55.92 per light for arc lights, and $15 for incandescent lights.

ALLENTOWN, PA.—A municipal electric light plant is to be constructed at an estimated cost of $140,000, for the purpose of lighting the streets and public buildings.

PITTSBURG, PA.—Bids are asked until 10 a. m., May 18, by the City Controller for light, lighting, extinguishing, caring for and the furnishing of all material to keep in good order and light the streets, boulevards, alleys, by-ways and parks with arc lamps for the fiscal year beginning Feb. 1, 1906. George W. Guthrie is Mayor; Jas. W. Clark is Clk. Dept. of Pub. Wks.

PITTSTON, PA.—The PITTSTON LIGHT, HEAT & POWER CO. has been awarded the contract to light the streets for a term of five years. The price for arc lamps is $50 per annum and $17 for incandescent lights.

HAMILTON (Baltimore post-office), MD.—Plans have been prepared for erection of an electric and water station. A contract has been awarded WHITE & MIDDLETON, Charles and Winder Sts., Baltimore, to make machinery for the plant. The building will be brick, 90 × 30 ft.

WASHINGTON, D. C.—Bids are asked until June 2 by Mordecai T. Endicott, Ch. Bureau Yards and Docks, Navy Dept., for furnishing two motor generator sets at the Navy Yard, New York, as per specification No. 1,495. Estimated cost, $12,000.

NORFOLK, VA.—It is reported that the PENN BRIDGE CO., Beaver Falls, Pa., has been awarded the contract for installing complete water and electrical system for the marine barracks, Navy Yard, at $11,500.

The Norfolk & Portsmouth Traction Co. is completing arrangements for erection of proposed power-house at an estimated cost of $800,000, including machinery. Sargeant & Lundy, Railway Exch. Bldg., Chicago, Ill., are Consult. Engrs.

ST. MATTHEWS, S. C.—See under Water-Works.

SPARTANBURG, S. C.—E. L. Jennings, R. C. Crawford and Lowndes Kennedy, of Pittsburg, have purchased a controlling interest in the Electric Power & Manufacturing Co., and will reorganize company with $1,000,000 capital stock, and intend to spend approximately that amount for power development. E. L. Jennings will be President of the new company; Lowndes Kennedy, Vice-Pres., and R. C. Crawford, Treas.

COMMERCE, GA.—We are officially advised that beginning May 18 bids will be asked for machinery and material for an electric light plant by the Board of Directors of the Harmony Grove Cotton Mills. Joseph M. Roman & Co., Engrs., Atlanta, Ga.

MASSILLON, OHIO.—THE MASSILLON LIGHT, HEAT & POWER CO. has been awarded a ten-year contract for lighting the streets with 180 Wood enclosed-arc 460-watt lamps at $69.50 each per year; also for 50 graphitized filament 50 c. p. incandescent lamps at $12 each per year.

MEMPHIS, MICH.—A franchise has been granted S. R. Lester, of Sandusky, for the erection and operation of an electric lighting plant and a system of water-works.

RACINE, WIS.—The Milwaukee Light, Heat & Traction Co. has purchased a site for a new power-house. The company contemplates increasing its power and other improvements, involving an expenditure of about $50,000.

ST. CLOUD, MINN.—The City Council has granted a franchise to the Public Service Co. for lighting the city for a term of years.

LIVINGSTON, MONT.—J. L. BRIGHT has been awarded the contract for lighting the streets for five years at $90 per light per year.

AUGUSTA, ARK.—Articles of incorporation have been filed by the City Power, Light & Water Co., with a capital of $50,000. The company proposes to operate an electric and water plant and telephone system and expects eventually to construct an electric railroad line. The corporators are J. A. Vinson, A. H. Tilman Campbell and Louis S. Vinson.

AMARILLO, TEX.—The Amarillo Gas Co. has been incorporated with a capital stock of $50,000 for the construction of a plant to cost between $35,000 and $50,000, and having a daily capacity of 50,000 or 75,000 cu. ft. of gas.

WACO, TEX.—W. V. N. Powelson, of St. Louis, Mo., has purchased the Mutual Electric Co.'s franchise and lighting property, and will install an electric light, power and gas plant.

ASPEN, COLO.—The Roaring Fork Electric Light & Power Co. will construct a new light and power plant a few miles below Aspen. It is proposed to harness the water of Castle Creek and Roaring Fork and generate electricity to light the villages between Aspen and Carbondale. D. R. C. Brown is Pres.

PORTLAND, ORE.—The Mount Hood Electric Co. proposes to construct and sell to the city, for the sum of $1,250,000, a water-power plant, the initial installation of which shall be capable of developing 10,000 HP., with 15,000 additional HP. for future increase of plant. To install additional HP. will cost $400,000.

WEISER, IDAHO.—The Interstate Electric Power Co. has been organized to construct a dam and power plant at Eagle Rock on Snake River, capable of developing 20,000 HP.

KENORA, ONT.—The town has decided to construct a power plant and develop from 5,000 to 7,000 HP., at a cost of $150,000. T. Pringle & Sons, of Montreal, Que., are Consult. Engrs.

TORONTO, ONT.—The Ontario Government have notified parties who may be interested in waters to be utilized for power purposes not to make any further arrangements, as it is their intention to take over all the electric power developed in the province, and arranging with the municipalities for the sale of the power at cost. They look upon this as the only solution of the cheap power problem for the people, and what many of the municipalities themselves suggest as the best remedy.

WINNIPEG, MAN.—See under Water-Works.

VANCOUVER, B. C.—The contract for supplying a series of alternating-current arc lamps for this city has been awarded to the CANADIAN GENERAL ELECTRIC CO., for $20,400.

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

CATSKILL, N. Y.—Bids are asked until 10 a. m., May 22, by the Town Board and the Commissioner of Highways for erecting a reinforced concrete bridge, complete, over Catskill Creek in this town, on the site of the present bridge. Henry G. Millington is Town Clk. (Advertised, Engineering News.)

MOUNT VERNON, N. Y.—It is reported that a bill has been passed providing for the expenditure of $30,000 for erecting bridges over Hutchinson Creek.

NEWARK, N. J.—Plans and specifications for the Clay St. bridge are now being prepared by the engineer of Essex County. It is estimated that the bridge will cost $150,000.

CAMDEN, N. J.—We are officially advised that the NEW JERSEY BRIDGE CO., of Manasquan, has been awarded the contract to build the Strauss lift bridge at Federal St., at $85,000. J. J. Albertson is County Engr.

BLAIRSVILLE, PA.—We are officially advised that a contract to construct six bridges between Tunnelton and Blairsville for the Pennsylvania R. R. has been awarded to CHARLES A. SIMS & CO., Harrison Bldg., 15th and Market Sts., Philadelphia. A. C. Shand is Ch. Engr, Pennsylvania R. R.

SALINA, PA.—THE CANTON BRIDGE CO., of Canton, Ohio, has been awarded the contract for erection of a bridge over the Kiskiminetas River at Salina, at $65,594.

WARREN, PA.—The Warren St. Ry. Co. will erect a new double-deck bridge at Gladdrun this summer, across the Allegheny River. D. H. Siggins is Pres. and Gen. Mgr.

TIDEWATER, VA.—A steel viaduct, to cost about $300,000, will be built over New River, near Glen Lyn. The structure will be 2,155 ft. long. The McCLINTIC-MARSHALL CONSTRUCTION CO., of Pittsburg, Pa., has the contract for the superstructure. F. F. Harrington, Norfolk, Va., is Engr.

PARKERSBURG, W. VA.—The Parkersburg & Ohio Bridge Co., with its principal office located in Lubeck district, Wood County, has been chartered. Total authorized capital is $500,000. The incorporators are: V. B. Archer, B. S. Pope, J. A. Wethersole, C. T. Hitcher, W. J. Davidson, all of Parkersburg.

BRIDGEPORT, W. VA.—At a recent meeting of the council the contract to build a bridge was awarded to the WEST VIRGINIA BRIDGE CONSTRUCTION CO., at $3,221.

WHEELING, W. VA.—The Back River Bridge Co. has been chartered to build a bridge across west channel of the Ohio River, from a point near the south end of Wheeling Island to a point opposite the same on the Ohio shore. The incorporators are: B. W. Peterson, W. E. Stone, Louis E. Stifel, Joseph Speidel and G. O. Nagle, of Wheeling, and Wm. Lippardt, of Martin's Ferry, Ohio.

FRANKLINTON, LA.—The Town Council has let a contract to the BULLEN BRIDGE CO. for building a steel bridge across the creek on South Main St. The bridge is to be a single span, 124 ft. long.

COLUMBUS, OHIO.—It is stated that the County Commissioners have awarded the contract for constructing substructure of the Reed Ave. Viaduct to COOK & GRANT and FRITZ BROS., at $42,273.

CLEVELAND, OHIO.—The contract for constructing the superstructure of approach to Jefferson Ave. S. W. bridge has been awarded to the INTERSTATE ENGINEERING CO., Cleveland, at $5,825; and for constructing substructure to WM. KUPPER, New England Bldg., at $11,130.

WAYNESVILLE, OHIO.—Bids are asked until May 26 by S. A. Stilwell, County Audr., for erection of low truss steel beam bridge, with permanent floor, over mill race in Waynesville.

LANCASTER, OHIO.—The Hocking Valley Bridge Co., of Lancaster, has been incorporated with a capital stock of $25,000. The incorporators are Benjamin Dum, Martha J. Dum, Edward M. Dum, Harlie C. Dum and Andrew C. Dum.

VALPARAISO, IND.—We are officially advised that the Rochester Bridge Co. submitted the lowest bids for building five iron bridges on May 7, the total being $3,572. S. P. Corboy is County Audr.

FRANKFORT, IND.—The Commissioners of Clinton County, at Frankfort, have awarded to BERCAW & ADAMS, of Lebanon, a contract to construct nine bridges; and to KELLEHER & SLEPHER, of Frankfort, a contract to build seven bridges, all ranging in price from $200 to $6,500.

CRAWFORDSVILLE, IND.—The Commissioners of Montgomery County, Crawfordsville, have awarded contract for construction of four bridges to WALKER BROS., of Indianapolis; and for three bridges to the ANDERSON BRIDGE CO.

INDIANAPOLIS, IND.—Bids are asked until 10 a. m., May 26, by the Commissioners of Marion County for constructing a bridge over Bean Creek and another over South Pleasant Run.

Bids are asked until 10 a. m., May 26, by the Commissioners of Marion County for constructing nine culverts. C. J. Clark is County Audr.

KOKOMA, IND.—Contracts for building bridges in Howard County have been awarded by the Commissioners to the CENTRAL STATES BRIDGE CO. and to the WINAMAC BRIDGE CO.

It is reported that bids will soon be asked for erection of a large bridge and several small ones in this county.

LAWRENCE, IND.—We are officially advised that the two lowest bids received on May 7 by Capt B. F. Cheatham, Constr. Q. M., for reinforced concrete bridge were as follows: C. C. King & Son, Montezuma, Ind., $11,750; Daniel & Lyst, Anderson, Ind., $13,917.

NORTH CHICAGO, ILL.—Bids are asked until noon, June 7, by the Bureau of Navigation, Navy Dept., Washington, D. C., for a pipe-conduit bridge at the naval training station, Great Lakes, North Chicago.

MILWAUKEE, WIS.—Competitive plans for viaduct to be built over the Menomonee Valley, from Grand Ave. to Grand Ave. extension, will be received until noon, June 2, by F. O. Phelps, County Clk.

CROOKSTON, MINN.—The Senate has passed a bill authorizing the construction of a bridge across the Rainy River at Pithers Point, about two miles above International Falls. The bill was introduced to allow the Duluth Rainy Lake & Winnipeg Ry. to construct the bridge to connect their road with the Canadian Northern at Fort Francis.

FORT SNELLING, MINN.—A bridge to cost about $250,000 will be built 300 ft. below the present bridge.

COUNCIL GROVE, KANS.—Bids are asked until June 4 for building bridge over Neosho River. H. A. Clyborne is County Clk.

FARGO, N. DAK.—Bids are asked until June 6 by Arthur C. Lewis, Audr. Cass County, for erecting one 400-ft. bridge and six smaller bridges.

KANSAS CITY, MO.—The bill, authorizing the Kansas City, St. Joseph & Excelsior Springs Ry. Co. to build a bridge across the Missouri River, has been passed by the State Senate. The bridge will cross the river at Kansas City and will be for the exclusive use of the electric cars of the company.

SEATTLE, WASH.—The War Department has granted permission to the County Commissioners to erect a bridge over the Duwamish River. According to plans, the bridge will be about 184 ft. long, and cost about $10,000.

TACOMA, WASH.—Bids are asked until 11 a. m., June 1, by the Board of County Commissioners for constructing combination bridge, 168 ft. long, across Carbon River, at Melmont. I. M. Howell is County Audr.

SPOKANE, WASH.—See under Electric Railways.

TOLEDO, ORE.—Bids are asked until 10 a. m., June 6, by the County Court for building a bridge across Five Rivers. Ira Wade is County Clk.

PORTLAND, ORE.—Plans for the Portland and Seattle bridge, 522 ft. long, have been finished by Ralph Mojeski, Engr.-In-Charge, and Ernest Nickerson, Res. Engr.

NORTH SYDNEY, N. S.—R. MUSGRAVE & SON have been awarded the contracts for building six iron bridges in various parts of Nova Scotia. The bridges vary in length from 200 to 40 ft.

BRANDON, MAN.—Plans are being prepared for construction of a 100-ft. steel highway bridge across the Assiniboine River. W. H. Shillinglaw is City Engr.

BRANDON, MAN.—Plans are being prepared for the construction of a 100-ft. steel highway bridge across the Assiniboine River. W. H. Shillinglaw is City Engr.

WINNIPEG, MAN.—According to press reports, a bridge to cost $100,000 will be built across the Assiniboine River. Col. H. N. Rutlan is City Engr.

VANCOUVER, B. C.—The Council has decided to build two bascule bridges over False Creek, to cost about $350,000.

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

WORCESTER, MASS.—Frost, Briggs & Chamberlain, Archs., 518 Main St., are working on plans for a 9-story building to be erected on Main St., to cost $500,000.

NEW YORK, N. Y.—Plans have been filed for a 12-story brick block of offices and shops, to be erected on the corner of Broadway and Warren St. Estimated cost, $425,000. L. M. Gerry, of Newport, R. I., is owner; and J. B. Baker, 156 Fifth Ave., is Arch. Also for an 11-story brick loft building, at the corner of Broadway and Twelfth St., to cost about $500,000, for the Richmond Realty & Construction Co., 56 Liberty St. S. Sass, 23 Park Row, is Arch.

Bids are asked until May 21, for building truant school on Jamaica Ave., Brooklyn, costing about $1,000,000.

WHITE PLAINS, N. Y.—We are officially informed that the following bids were received on May 14, by the Supervisors of Westchester County, for the general construction of a Court-house and Hall of Records: (a) Local granite called for; (b) Bedford, Indiana, limestone called for; (c) Tuckahoe marble called for. Geo. T. Kelly, 44 Schove St., Yonkers, (a) $611,000, (b) $356,000, (c) $581,000; W. A. Thomas, (a) Mt. Erie granite, $424,204; (b) $397,429, (c) Alabama white marble, $505,052; Kelly & Kelley, 45 E. 42d St., New York, (a) Maine granite, $379,100, (b) $365,400; J. V. Schaefer, Jr. Co., 9 East 59th St., (a) Fox Island granite, $328,000, (b) $310,000; John O'Rourke, 1 West 34th St., (a) North Carolina granite, $359,315, (b) $342,315; Buckley Realty Construction Co., Times Bldg., (a) Milton, N. H., granite, $352,000, (b) $320,000, (c) Alabama white marble, $425,000; R. E. Henningham, 1 Madison Ave., (a) Mt. Erie granite, $320,000, (b) $315,000, (c) Clarkson marble, $370,000; Herman Probst, 10 West 29th St., (a) $309,700, (b) $297,700, (c) $406,000; John H. Parker Co., 225 Fourth Ave., (a) $341,400, (b) $327,400; J. W. Bishop Co., White Plains, (a) North Carolina granite, $386,582, (b) $377,931; J. T. Brady & Co., 6 East 42d St., (a) Concord granite, $339,840, (b) $318,840, (c) Alabama white marble, $420,000; Fountain & Choate, 110 East 23d St., (a) granite as sample, $356,378, (b) $322,378, (c) marble as sample, $435,776. Bidders for heating, etc., were: Thompson-Starrett Co., 49 Wall St., $51,980; Frank Dobson, 319 East 53d St., $68,900; Walker & Chambers, 50 East 20th St., $64,975; Blake & Williams, 211 West 20th St., $56,234; A. B. Barr & Co., 6 River St., Yonkers, $67,485; Baker, Smith & Co., 83 West Houston St., $68,500; Rossman & Bracken Co., 11 East 22d St., $74,000; Ed. Joy, $68,947. Fowler & Sellars, 97 Railroad Ave., White Plains, were low bidders for the plumbing contract, at $8,285, and Reis & Donovan, 1123 Broadway, were low bidders for the electric work at $4,600. Chauncey T. Secor, White Plains, is Chm. Bldg. Com.

NEW YORK, N. Y.—We are officially advised that the bids received May 14, by C. B. J. Snyder, Supt. of School Bldgs., for installing heating and ventilating apparatus in new public school at St. Marks and Classon Aves., Brooklyn, were as follows: Frank Dobson, 319 East 53d St., $84,473; E. Rutzler Co., 127 White St., $35,288; Evans, Almirall & Co., 218 Water St., $33,157; L. D. Hosford, 68 Beekman St., $34,279; Blake & Williams, 211 West 20th St., $32,194; Rossman & Bracken Co., 11 East 22d St., $33,800. For sanitary work and gas fitting in public school on 119th and 120th Sts., Manhattan: Frank J. Fee, 411 West 32d St., $21,849; James Fay Son, 101 West 66th St., $20,400; C. Nally, Broadway and 87th St., $24,700; W. C. Ormond, 999 President St., Brooklyn, $21,780; James Hartley, 288 Flatbush Ave., Brooklyn, $22,773. For general construction, etc., of public school on north side of Bergen Ave., between Henry St. and Rathjen Ave., Evergreen: Arci Construction Co., 99 Broadway, Brooklyn, $180,750; P. J. Brennan Son, Fuller Bldg., $187,000; Clark & Stowe, 221 Greenpoint Ave., Brooklyn, $179,300; George Hildebrand, 38 Park Row, $181,800; C. H. Peckworth, 415 Hudson St., $183,443; Tolmie & Kerr, 205 West 30th St., $182,318.

PHILADELPHIA, PA.—W. C. Furber, Arch., 421 Chestnut St., has completed plans and is receiving bids for construction of a $150,000 6-story addition to the building of the Central Trust & Savings Co., at Fourth and Market Sts.

A permit has been granted to Doyle & Doak to build a 4-story club-house for the Racquet Club, to cost about $500,000. Horace Trumbauer, Land Title Bldg., is Arch.

Rivals of the theatrical syndicate will build a new playhouse adjoining the Lyric, at Broad and Cherry Sts., to cost about $200,000. Plans for the new house have been prepared by John T. Windrim, Arch., 1107 Walnut St.

PITTSBURG, PA.—W. R. Kuhn proposes to erect an 8-story fireproof building at Penn and Highland Aves. Estimated cost, $250,000.

John D. Mahold, Tenth St., has let the contract to EICHENLAUB & MADDEN, 117 Shady Ave., for erection of a 4-story fireproof brick hotel at Penn Ave. and St. Clair St., at about $460,000.

WAYNESBURG, PA.—The People's National Bank has let the contract to the DUQUESNE CONSTRUCTION CO., Bessemer Bldg., Pittsburg, for a 6-story white enameled brick bank building, 30x120 ft. Cost, $65,000. Robinson & Winkler, House Building, Pittsburg, are Archs.

Plans are being prepared by Torney & Leach, Archs., 323 North Charles St., for construction of a 3-story brick, stone and steel building for the St. Joseph House of Industry. Estimated cost, $150,000.

J. H. MILLER, 112 Dover St., has been awarded contract for a 6-story, fireproof clothing store at Baltimore St. and Hopkins Pl. for Snellenburg & Co. Estimated cost, $60,000.

The Third Church of Christ (Scientist) has purchased a site at the corner of St. Paul St. and Mount Royal Ave., and will erect a church, to cost about $100,000.

WASHINGTON, D. C.—Littleton W. Walker, Colorado Bldg., will construct and own a 3-story brick and stone block of residences, estimated to cost $135,000. M. D. Hensey, 1302 F St. N. W., is Arch.

Bids will soon be asked by Irving D. Porter, 1421 F St., for concrete and steel construction of an apartment house, to cost about $110,000. The building will be built on North Capitol and Q Sts.

The sum of $3,000,000 has been appropriated for land and buildings for the Departments of State, Justice, and Commerce and Labor.

The Commissioners of the District of Columbia have awarded contract for furnishing the mechanical equipment for the Municipal Building, 14th and Pennsylvania Aves., Washington, D. C., to the HANLEY-CASEY CO., Chicago, Ill., at $73,400. Bids were opened April 21.

Bids are asked by Oscar W. White, 1116 F St. N. W., for erection of a 7-story apartment house at Columbia Heights. The building is to be built of stone and steel, and will cost about $200,000.

The War Department will advertise for bids about June 1, for erecting brick and stone army hospital buildings at Brightwood Road N. W. Estimated cost, $300,000. March & Peter, 520 13th St. N. W., are Archs.

PERU, IND.—Bids are asked by Lehman & Schmitt, 625 Garfield Pl., Cleveland, Ohio, for court-house, to cost about $300,000.

CHICAGO, ILL.—The University Club is planning to build a new club-house at Michigan Ave. and Munroe St., to cost about $800,000.

A hotel, of 14 stories, costing about $2,500,000, is to be built at the corner of Madison and LaSalle Sts. Plans are now being prepared by Holabird & Roche, Archs., 1618 Monadnock Block.

An addition, costing about $500,000, will be built to St. Luke's Hospital. Frost & Granger, 184 LaSalle St., are Archs.

DULUTH, MINN.—Application has been made to the building inspector by the Peavey Elevator Co. for a permit to construct a new elevator building to cost $275,000.

ST. LOUIS, MO.—The contract for construction of the 18-story Augusta Bldg., to be erected at the northwest corner of Eighth and Pine Sts., has been awarded to the JAMES BLACK MASONRY & CONSTRUCTION CO., at $750,000.

FORT WORTH, TEX.—The First Methodist congregation will erect a church to cost about $100,000. Dr. Alonzo Monk is pastor. Smith & Schenck are Archs.

SANTA MONICA, CAL.—F. P. Burnham, Arch., 303 Douglas Bldg., Los Angeles, has completed the plans for the Palisades Hotel, to be erected on the Palisades at Santa Monica. It will represent an investment of $300,000. Project has been promoted by Fred L. Sexton and Edward Bailey, of Santa Monica.

SAN FRANCISCO, CAL.—It is stated that the Home Telephone Co. will commence construction on new building in this city. Estimated cost, $500,000.

The Orpheum Syndicate will rebuild its theater at O'Farrel St., near Powell St. It is estimated that the work will cost $750,000.

LONGBEACH, CAL.—A company has been formed to build a bath-house of the Greek style, to cost $200,000. Architects are now working on the plans.

LOS ANGELES, CAL.—The lowest bids received for constructing court-house and post-office in this city were from Hastie & Dougan, Seattle, Wash., at $923,530 for Arizona sandstone, and $1,029,030 for granite.

WATER SUPPLY—IRRIGATION.

The names of parties awarded contracts are printed in capital letters.

LAWRENCE, MASS.—Bids are asked until 3 p. m., May 25, by the City Clerk, at the City Hall, for excavating, concrete and filter material. Arthur D. Marble is City Engr. (Advertised, Engineering News.)

NEW YORK, N. Y.—We are officially informed that following are the bids received on May 9, by William B. Ellison, Comr. Water Supply, Gas and Electricity, for 1,000 hydrants: Kennedy Valve Co., 51 Beekman St., $3,443; A. P. Smith Mfg. Co., Newark, N. J., $3,100; M. J. Drummond & Co., 182 Broadway, $3,400; Herron Pump & Foundry Co., 129 Liberty St., $3,029.

The contract for installation of water mains in the Borough of Manhattan has been awarded to the CONTINENTAL ASPHALT PAVING CO., 42 Broadway, at $2,824,283.

ROME, N. Y.—The Board of Water and Sewer Commissioners has decided to lay an 8-in. water main on Doxtater St., between Dominick St. and Armstrong Ave.

UTICA, N. Y.—The Consolidated Water Co. has awarded to the AMBERSON HYDRAULIC CONSTRUCTION CO., Boston, Mass., the contract to build a dam on the West Canada Creek, at Gray, Herkimer County. The dam is expected to flood an area of 14 sq. miles. A contract to construct a pipe line, 26 miles long, from the dam to the water company's reservoir, at Deerfield, has been awarded to HARRY W. ROBERTS, of Utica.

The firm of EDWARD K. PATTEN & CO., Utica, has contract to lay 12-in. main in

Canal St., from Platt St. to a point opposite Champlin St., and on Champlin St., from Whitesboro to Main Sts. Paul Schultz is City Engr.

PHILADELPHIA, PA.—Circulars regarding the proposed filteration plant at this city, as advertised in Engineering News, are on file at the office of Engineering News, New York. Plans and specifications will be on file in a few days.

McKEESPORT, PA.—The city has made an appropriation of $200,000 to build a filteration plant with a capacity of 10,000,000 gallons. No decision has been reached as to the description of plant to be installed.

HELLAM, PA.—The Hellam Water Co. will build a plant costing about $15,000 to supply Hellam with water. Lee Stoner is Pres.; J. W. Gable is Secy.

PHILADELPHIA, PA.—Bids are asked until noon, June 20, by Thomas L. Hicks, Director, for pumping station building, pump well and foundations, at Torresdale filter plant. (Advertised, Engineering News.)

WASHINGTON, D. C.—The Commissioners of the District of Columbia have awarded to the LYNCHBURG FOUNDRY CO., Lynchburg, Va., contract for furnishing 200 tons 12-in. c.-i. pipe, at $7,500. Bids were opened April 28.

LEESBURG, VA.—The town of Leesburg, by a vote taken May 1, has authorized the Town Council to issue bonds to the value of $30,000, for the purpose of installing a gravity system of water-works. A stand-pipe will be erected on the highest elevation in the town and the system completed and turned over to the town by Dec. 1, 1906.

ST. MATTHEWS, S. C.—Bids are asked for construction of water-works and electric light systems, and $20,000 of bonds are to be issued for this purpose. T. H. Dreher, H. A. Raysor, and T. A. Amaker are Comrs.

ATLANTA, GA.—Bids are asked until June 6 by the Secretary, Board of Water Commissioners, for one year's supply of water meters and meter boxes. Park Woodward is Gen. Mgr., Atlanta Water-Works.

TOCCOA, GA.—The city has passed a vote in favor of issuing $35,000 of bonds for water-works construction. J. M. Owen is Mayor.

PUNTA GORDA, FLA.—A vote has been passed in favor of issuing bonds for $14,000 for water-works.

PLAQUEMINE, LA.—It is stated that about $30,000 will be expended in rebuilding water system and that bids for the work will be called late in the year. J. H. Savage is Pres. Plaquemine Light & Power Co.

PONCHATOULA, LA.—It is the intention to install a water system here, which will include a tower, tank, and about 6,000 ft. of mains.

NASHVILLE, TENN.—Bids are asked until May 19 by the Board of Public Works for furnishing 325 ⅝-in. rotary meters. John T. Ahearn is Supt. Water-Works.

WYOMING (Cincinnati post-office), OHIO.—T. H. JONES, of Lebanon, has contract for lining storage reservoir, at $6,348. J. M. Hill & Sons, Cincinnati, are Engrs.

PERRYSBURG, OHIO.—We are officially informed that the lowest bid received on May 7 by the Board of Trustees of Public Affairs for trenching, pipe-laying and back-filling, was that of John N. Magee, Elmore, Ohio, at $3,726. The Riggs & Sherman Co., Toledo, Ohio, are Engrs.

CINCINNATI, OHIO.—We are officially informed that following are the bids received on May 8 for head-house, filter-house, reservoir, etc.: S. Eid Concrete Steel Co., Cincinnati, $273,000; S. P. Hazen & Co., Cincinnati, $274,895. G. H. Benzenburg is Acting Ch. Engr.

YOUNGSTOWN, OHIO.—Bids are asked until noon, May 28, by the Board of Public Service, G. T. Prosser, Secy., for c.-i. water pipe, hydrants, etc. F. M. Lillie is City Engr. (Advertised, Engineering News.)

FRANKFORT, IND.—It is reported that the City Council has granted a franchise for a water system to Francis M. Clark, James W. Coulter and others.

MEMPHIS, MICH.—S. R. LESTER, of Sandusky, Mich., has been awarded the contract for building the new water-works at Memphis.

STAUNTON, ILL.—Bids are asked until May 27 by H. A. Fischer, City Clk., for furnishing material and extending water mains. About 10,000 ft c.-i. pipe will be needed.

ST. CHARLES, ILL.—J. E. SALFISBERG & CO., of Aurora, have contract for the new reservoir to be built by the Water Dept.

ARGYLE, WIS.—The Village Board of Argyle will build a water-works system and has engaged E. J. Manning, of Monroe, to superintend the work.

COMFREY, MINN.—We are officially advised that the village will install water system, including tank, tower, about 1,200 ft. of mains and four hydrants. Estimated cost, $7,000. Oscar Erickson is Pres. of Council.

GARDEN CITY, KANS.—Bids are asked until 2 p. m., July 7, for manufacturing and furnishing, complete, 10 or more motor-driven centrifugal pumps. C. E. Gordon is Engr.; E. A. Hitchcock is Secy. Interior Dept. (Advertised, Engineering News.)

PRAGUE, NEBR.—It is reported that bids will be received on June 1 for constructing water-works in this town, to cost about $6,000.

FORT PIERRE, S. DAK.—We are officially informed that this city will install a water system to cost about $35,000. Bids probably will be received on June 1 for triplex power pumps, masonry reservoir, c.-i. pipe, hydrants, engines, power-house, etc. M. A. Earl, Muskogee, Ind. T., is Consult. Engr.

SENECA, MO.—The National Filter Co. of Illinois has filed articles of incorporation under the laws of that state, with a capital of $50,000, of which $22,000 is to be employed in Missouri, with an office in Seneca.

COLEMAN, TEX.—The construction of a dam across a canon southwest of this town is being considered, in order to furnish sufficient water supply. It is estimated that the dam will cost $10,000.

CHILDRESS, TEX.—The Fort Worth & Denver City Ry. Co. is preparing plans for construction of a large reservoir to supplement the two already here. W. W. Miller is Supt., at Childress; A. L. Cochrane is Gen. Pur. Agt., at Denver, Colo.

GREELEY, COLO.—The Empire Construction Co. has been incorporated with a capital of $100,000 for the purpose of irrigating Weld and Morgan Counties. Those interested in the project are: Daniel A. Canfield, S. H. Shields and Charles H. Wheeler. Headquarters of the company will be in Greeley.

WAITSBURG, WASH.—We are officially informed that this city has let contract for filtering plant. Contracts for pumps and motors have not yet been awarded. It is estimated that the system will cost $10,000. J. B. Caldwell is Mayor.

SEATTLE, WASH.—The engineering department of the city is working out plans for construction of two additional pipe lines to Cedar River, each of which is to be as large as the present main. The estimated cost of the two new mains is $1,800,000.

EUGENE, ORE.—A water system with a 1,000,000-gallon reservoir, is being planned for Eugene.

ST. JOHNS, ARIZ.—The sum of $20,000 has been secured to build a dam and reservoir on the Little Colorado River, to replace the reservoir carried away by floods a year ago. D. W. Renchner will be Constr. Engr.

ST. STEPHENS, N. B.—Bids are asked until May 25 by J. Vroom, Town Clk., for pipe for water system. F. A. Barbour, Boston, Mass., is Engr.

FORT WILLIAM, ONT.—The Town Council has awarded contract for three miles of wooden pipe to the PACIFIC WOOD PIPE CO., of Vancouver, B C. An order has been placed for steel pipe to cross the river for the purpose of bringing water from Loch Lomond.

SELKIRK, MAN.—The Manitoba Legislature has granted the town of Selkirk power to expend $150,000 on a water-works system.

PORTAGE LA PRAIRIE, MAN.—The city has been given permission by the Provincial Legislature to expend $100,000 on water-works extensions. E. Brown is Mayor.

WINNIPEG, MAN.—Bids are asked until 3.30 p. m., June 4, by J. C. Gibson, Chn. Fire, Water and Light Com., for supplying two 500-HP. electric generators, switchboards, etc., for high-pressure fire water-works. C. J. Brown is City Clk.; H. N. Ruttan is City Engr. (Advertised, Engineering News.)

MACLEOD, N. W. T.—It is reported that this town is about to put in a system of water-works to cost $35,000.

REGINA, SASK.—The Council has voted the sums of $26,250 for modern water mains, and $10,700 for sewers.

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

RANDOLPH, VT.—We are officially informed that plans and estimates have been prepared for a sewer system. John L. Collins, 444 Broadway, Albany, N. Y., is Engr.

NIAGARA FALLS, N. Y.—Bids are asked until 8 a. m., May 22, by the Board of Public Works for furnishing material and constructing a tunnel sewer. Walter P. Horne is City Clk. W. W. Read is City Engr.

PLAINFIELD, N. J.—We are officially advised that FOSTER CALLAHAN, of Elizabeth, N. J., was awarded contract on May 7, for sanitary sewers in this city, at $9,953.

GUTTENBERG (Weehawken post-office), N. J.—We are officially advised that the contract for Herman Ave. sewer has been awarded to GEO. J. HORNUNG, of 14 Franklin Ave., Guttenberg, at $40,524.

WILKES-BARRE, PA.—Bids are asked until 7.30 p. m., May 21, by the Council of the Borough of Luzerne, Pa., for constructing a sewer on Main, Buckingham and Hancock Sts. L. T. Honeywell is Chn.

MOUNT CARMEL, PA.—Bids are asked until 8 p. m., June 8, by John F. Gibbons, Chn. Sewer Com., for constructing intercepting outfall sewer. (Advertised Engineering News.)

SCRANTON, PA.—The contract for South Church St. sewer extension has been awarded to HUGH ATKINSON, at 54 cts. per lin. ft.

ALTOONA, PA.—We are officially informed that the contracts for constructing sewers in various districts have been awarded to the HINDMAN HENDERSON CO., Pittsburg, Pa., at a total of $25,386. Harvey Linton is City Engr.

NORFOLK, VA.—Bids are asked until noon, May 23, by Board of Street, Sewer and Drain Commissioners for improvements on Redgate Ave. B. Gray Tunstall is Chn.

PENSACOLA, FLA.—Bids are asked until 3 p. m., June 6, at the office of the Supervising Architect, Treasury Dept., Washington, D. C., for plumbing and sewerage at Santa Rosa Quarantine Station. James Knox Taylor is Supervising Arch.

Plans and specifications for the sewer system at Pensacola, as advertised in Engineering News, are on file at offices of Engineering News, New York and Chicago. T. Chalkley Hatton, Wilmington, Del., is Engr. Bids are to be opened June 1.

JACKSONVILLE, FLA.—We are officially advised that on May 4, D. M. BAKER, of Jacksonville, was awarded contract for sewers in this city, at $81,794. Other bidders were: Bryan & Co., Jacksonville, $91,600; D. J. Dougherty & Co., Jacksonville, $99,852; W. T. Cotter, Jacksonville, $89,440; Black & Laird, New Orleans, La., $95,205.

GOSHEN, IND.—Bids are asked until 7.30 p. m., May 21, by the Common Council, for constructing sewers in Washington and Tenth Sts. Ben C. Bender is City Clk.

CANTON, OHIO.—Bids are asked until noon, May 24, by the Board of Public Service for constructing a sanitary sewer in Center St. C. A. Zellers is City Clk. W. E. Sarver is City Engr.

BATAVIA, ILL.—Bids are asked until 2 p. m., June 1, by the Board of Local Improvements, for constructing seven miles of sewers, with man holes, catch basins, etc. Cornelius Collins is Pres. (Advertised Engineering News.)

BELLEVILLE, ILL.—We are officially informed that contracts for sewer construction in Districts A, B, C, and D, here, have been awarded to REEF BROS., at $43,117. LEWIS & KITCHEN were awarded contract for a septic tank, at $15,636. L. L. Harper is City Engr.

EDWARDSVILLE, ILL.—We are officially informed that the contract for constructing sewers in several districts has been awarded to O. T. DUNLAP, Edwardsville, at $9,771. Chas. A. Sheppard is City Engr.

MAUSTON, WIS.—Bids are asked until 8 p. m., June 1, by the City Clk., for constructing vitrified pipe sewers. About 2,250 ft. pipe, nine catch basins and seven manholes will be needed. W. G. Kirchoffer is Engr. (Advertised Engineering News.)

NORTH YAKIMA, WASH.—JOHN GILLIGAN & CO., Falls City, Nebr., has been awarded contract for a trunk line sewer at $52,855.

REGINA, SASK.—See under Water Supply and Irrigation.

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

HOLYOKE, MASS.—Bids are asked until 1.30 p. m., May 25, by the Board of Public Works for 8,000 sq. yds. of wooden block, vitrified brick or asphalt block pavement. M. F. Walsh is Chn. (Advertised, Engineering News.)

BRIDGEPORT, CONN.—Bids are asked until 8 p. m., June 9, by the Aldermanic Committee on Streets and Sidewalks, for about 13,730 sq. yds. of paving, with brick, wooden blocks or bituminous macadam. W. H. R. DuBois is Chn. (Advertised, Engineering News.)

BINGHAMTON, N. Y.—Bids are asked until 5 p. m., May 28, by D. C. Herrick, City Clerk, for repaving with vitrified brick and for resurfacing with asphalt various streets. (Advertised, Engineering News.)

NEW YORK, N. Y.—Bids are asked until 2 p. m., May 24, by the Commissioner of Bridges for furnishing and delivering 150,000 granite paving blocks. J. W. Stevenson is Comr.

Bids are asked until 2 p. m., May 24, by the Commissioner of Bridges for furnishing labor and material and making repairs to asphalt pavements on bridges over the Harlem River and in the Borough of Manhattan during the year 1906.

Bids are asked until 3 p. m., May 24, by the Park Board for furnishing and delivering crushed trap-rock and trap-rock screenings to parks and parkways in the Borough of Brooklyn. Moses Herrman is Pres.

Bids are asked until 11 a. m., May 23, by Bird S. Coler, Pres. Borough of Brooklyn, for regulating and repaving with Medina sandstone pavement on a concrete foundation the roadway of Atlantic Ave., from Henry St. to Flatbush Ave.

The Rickert-Finley Realty Co., 1 West 34th St., New York, is planning to pave and improve 12 miles of new streets in its tract purchased from the Frank Tilford syndicate in Brooklyn.

ALBANY, N. Y.—Bids are asked until noon, May 28, by the State Engineer for additional work on the River Road, in the town of Bethlehem, Albany County, N. Y.

Bids are asked until 3 p. m., May 21, by the Board of Contract and Supply for the improvement of Judson St., from Second St. to Livingston Ave. Walter Mellus is City Engr.

BUFFALO, N. Y.—We are officially informed that the GERMAN ROCK ASPHALT & CEMENT CO., LTD., has been awarded contract for repaving all asphalt pavements for the fiscal year 1906 and 1907. Their bid was as follows: Surfacing, 93 cts. per sq. yd.; replacing concrete and asphalt, $2.20 per sq. yd.; scraping joints and coating gutters, 5 cts. per lin. ft.; cleaning cracks, 2 cts. per lin. ft.; replacing stone, 22 cts. per lin. ft.

BRADFORD, PA.—We are officially advised that the contract for paving Congress St. with vitrified brick has been awarded to THOS. FITZGERALD, Fredonia, N. Y., at $12,887. Bids for paving High St. were: F. V. E. Bardol, Buffalo, N. Y., $10,828; R. C. Ruthven, Buffalo, N. Y., $11,145; Eugene Peake, 15 West Washington St., Bradford, $10,527.

BALTIMORE, MD.—We are officially advised that the WARREN BROS. CO., Piper Bldg., Baltimore, has been awarded the contract for paving 25th St. with bitulithic, at $51,000.

NEW ORLEANS, LA.—VENTRE & PULFORD, Opelousas, have been awarded a $21,000 street paving contract.

DELAWARE, OHIO.—We are officially informed that the lowest bid received on May 2 by the Board of Public Service for paving North Sandusky St. with brick on cement foundation was that of W. H. Ringwald, of Chillicothe, Ohio, at $12,410. For paving with asphalt, Barber Asphalt Co., Cleveland, at $14,045. For paving with bitulithic pavement the only bid was from Warren Bros. Co., 93 Federal St., Boston, at $18,846.

ASHLAND, OHIO.—Bids are asked until May 31 for brick paving on Center St., at an estimated cost of $5,250, and brick paving on Highland Ave., at an est[illegible] $8,500. Bids for paving on [illegible] Fourth and Walnut Sts. wi[illegible] later. A. P. Black is City Clk.

TROY, OHIO.—Bids are ask[illegible] May 29, by L. A. Liegenfeld[illegible] for paving 30,000 sq. yds. of [illegible]

WARREN, OHIO.—It is re[illegible] contract for paving Scott St. a[illegible] ington Ave. has been awarded [illegible] McGLASHEN.

COLUMBUS, OHIO.—Bids a[illegible] noon, June 4, by the County [illegible] for the construction of approa[illegible] way, sidewalk and column b[illegible] construction on the Reed Ave. [illegible] the tracks of the P., C., C. & [illegible] O. and N. & W. railways in M[illegible] ship.

MARION, OHIO.—Bids are [illegible] noon, May 23, by the Board of [illegible] vice for paving on various str[illegible] Fies is City Clk.

CLEVELAND, OHIO.—Bids a[illegible] til 11 a. m., May 26, by the [illegible] missioners of Cuyahoga County [illegible] pletion of the Bedford Road [illegible] Julius C. Dorn is County Clk.

YOUNGSTOWN, OHIO.—Bid[illegible] until 1.30 p. m., May 19, by [illegible] sioners of Road District No. 1 [illegible] material and labor for the im[illegible] various parts of the Youngstow[illegible] man Road.

Bids are asked until noon, M[illegible] Board of Public Service for p[illegible] St. G. T. Prosser is City Clk.

VERSAILLES, IND.—We are [illegible] vised that the contract for ma[illegible] miles of road has been awarde[illegible] A. ROGERS, of Bloomington, a[illegible]

Bids are asked until June 5 [illegible] macadam road in Otter Creek [illegible] Nicholas Volz is Audr. of Ripley [illegible]

EVANSVILLE, IND.—Bids a[illegible] til May 21 by the Board of Publ[illegible] paving Franklin and Governor [illegible] Wunderlick is City Clk.

COLUMBUS, IND.—The contra[illegible] structing a gravel road in Clay and [illegible] Townships has been awarded to [illegible] & KELLER.

The contract for constructing a gravel road in Sandcreek Township has been awarded to W. E. ROMINE.

BLOOMFIELD, IND.—Bids are asked until 2 p. m., June 5, by the Commissioners of Green County for constructing roads in Fairplay and Richland Townships. Wm. H. Deekard is County Audr.

ROCKVILLE, IND.—We are officially advised that the contract for paving Swain and Elder Roads has been awarded to MORRIS & GILLIAN, of Bloomingdale, Ind., at $13,750.

GREENBURG, IND.—LOWE & CRAIG have been awarded contract to construct two miles of gravel road at $9,772. Chas. Young is Supt of Construction.

COLUMBUS, IND.—Bids are asked until 10 a. m., June 4, by the Commissioners of Bartholomew County for constructing gravel roads in Harrison Township, Township [illegible] and Rock Creek Township. Wm. A. Morris is County Audr.

SULLIVAN, IND.—Bids are asked until 5 p. m., May 21, by the Board of Trustees for 20,500 sq. yds. vitrified brick pavement. David Crawley is Clk. R. L. Bailey is City Engr. (Advertised, Engineering News.)

TRAVERSE CITY, MICH.—We are officially informed by Mayor A. V. Friedrich that Union and Cass Sts. will be paved with brick.

EDWARDSVILLE, ILL.—We are officially informed that the contract for 4,000 ft. of brick pavement has been awarded to A. F. FRANKS, Jacksonville, Ill., at $35,119.

BELVIDERE, ILL.—Bids are asked until 7.30 p. m., May 18, by the Board of Local Improvements for the improvement of Buchanan St. by grading, curbing and paving with brick. L. W. Lyon is Pres.

ARCOLA, ILL.—We are officially informed by Claud L. James, Consult. Engr., of Mattoon, Ill., that contracts will be let about July 15 for paving 25,000 sq. yds. with brick, at an estimated cost of $46,500.

LINCOLN, ILL.—We are officially advised that bids will be received until 1.30 p. m. May 18, by E. G. King, Pres. Board of Local Improvements, for 16,502 sq. yds. of brick paving, at an estimated cost of $37,29[illegible] Jas. C. Greenslate is City Clk.

OTTUMWA, IOWA.—We are officially informed that the contract for paving Wapello, Albany and West Fourth Sts. has been awarded to the INDEPENDENT CONSTRUCTION CO., Davenport, at $21,356. C. K. Allen is City Engr.

DULUTH, MINN.—We are officially advised that contract for paving with tar macadam, Second St., from Sixth Ave. East to Seventh Ave. West, was, on May 4, awarded to GEORGE R. KING, Duluth, at $61,247.

OTTAWA, KANS.—We are officially advised that the contract for paving Third, Fourth and Hickory Sts. with vitrified brick has been awarded to N. E. STUCKER, 1716 South Main St., Ottawa, at 34 cts. per yd. for excavating earth, $1.47 per sq. yd. for paving, 43 cts. per lin. ft. for curb, and 20 cts per lin. ft. for resetting curb. W. O. Myers is City Engr., and J. H. Bell, City Clk.

TOPEKA, KANS.—We are officially informed that the contracts for paving about 24½ blocks have been awarded as follows: HANLEY & RITCHIE, Topeka, paving and rolling, at $1.22 per sq. yd. for paving and 2¼ cts. per sq. yd. for rolling; WEBSTER & TULLOCK, Topeka, curbing, 37 9-10 cts per lin. ft.; J. H. MAXWELL, Topeka, grading, at 26 cts. per cu. yd.; M. F. WALL, Topeka, crossing plates, catch basins and pipe, $6 for crossing plates, $16.65 for catch basins and 65 cts. per lin. ft. for pipe. James F. McCabe is City Engr.

SEATTLE, WASH.—Contract for constructing the McKinnon road has been awarded to JACOB AUBURN, at $10,900.

TACOMA, WASH.—We are officially informed that the contract for paving Sixth Ave. has been awarded to the BARBER ASPHALT CO. at $110,900. Contract for paving alley between C and D Sts. has been awarded to J. W. MURPHY, at $20,897. Frank L. Davis is City Engr.

TORONTO, ONT.—Bids are asked until noon, May 22, by the Chn. of the Board of Control for constructing roads and sidewalks. E. Coatsworth is Mayor.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

PORTSMOUTH, N. H.—The Bureau of Yards and Docks, Navy Dept., has awarded contract for constructing a boiler shop for steam engineering building No. 96, navy-yard, Portsmouth, to the WHITON & HAYNES CO., 35 Federal St., Boston, Mass., at $134,000 for items 1, 2, and 6, omitting cranes and including elevators.

LUDLOW, MASS.—E. J. CROSS, Worcester, Mass., has been awarded contracts for new factory buildings for the Jewel Brook Woolen Co. and Black River Woolen Co.

CAMDEN, N. J.—Plans are being prepared for the buildings of the woolen yarn plant of B. F. Boyer & Co. The factory will be three stories, 56 × 208 ft.; the power-house, one story, 50 × 73 ft., with a stack 100 ft. high and 54 ins. inside diameter.

HOMEWOOD, PA.—T. D. Ellis, of New York, has completed the purchase of 800 acres of farm land on the north side of Beaver River for $200,000. The buyer represents the Kupple Supply Co., of Berlin, Germany, and New York, manufacturers of engineering instruments. The company intends to spend $2,000,000 for factories and residences.

GREENSBORO, N. C.—The Wyland-Newman Machine Co., capital $100,000, has been chartered and work on buildings for the plant will start at once. The company will manufacture scale iron and woodworking machinery of all kinds. George C. Wyland, of Williamsport, Pa., is Pres. and Mgr., and George F. Newman is Secy. and Treas.

NASHVILLE, TENN.—The Illinois Central and the Southern Railway have awarded a contract to GEORGE B. SWIFT & CO., of Chicago, to erect a grain elevator, to cost, including realty and tracks, $500,000.

The Russell Manufacturing Co. has been organized with a capital of $10,000, and will manufacture woodenwares. The incorporators are: R. S. Russell, C. A. Russell, G. C. Porter, F. P. Bond and R. D. Goodlett.

MEMPHIS, TENN.—The Palmetto Manufacturing Co. has been organized with a capital of $25,000 for the purpose of manufacturing wooden handles. The following are the incorporators: W. H. Cooper, John S. Woodall, H. P. Campbell, William Lowndes, W. H. Hicklen and J. H. Samuel.

FORT WAYNE, IND.—Dodge & Day, Engrs., of Philadelphia, have been commissioned by the Kerr-Murray Mfg. Co., of Fort Wayne, manufacturers of gas works machinery and gas holders, to design, erect and equip a new plant on a 30-acre plot which has been secured.

CANNON CITY, COLO.—A new fireproof mill will be erected at an estimated cost of $300,000. It will be equipped with the latest machinery. I. M. and Frank Howard are interested.

FALLS CITY, ORE.—W. A. Cooper and John McCready have purchased 160 acres of timber land three miles from here and have ordered machinery for a mill with capacity of 25,000 ft. daily.

COEUR D'ALENE, IDAHO.—John B. and M. M. Taylor, who recently purchased 300 acres of land about one-fourth of a mile from Huetter, have converted it into a townsite and have made arrangements for two factories. A well will be drilled and pumping station installed for water supply.

VANCOUVER, B. C.—The W. F. Huntting Co., Ltd., will shortly award contract for construction of an up-to-date mill. Plans provide for expenditure of $75,000. Orders will be placed shortly for three boilers.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

PUMPS.—Garden City, Kans.—See under Water-Works—Irrigation.

PIER.—Newport News, Va.—Contract for a coal pier at Newport News for the Chesapeake & Ohio R. R. Co. has been awarded to SANFORD & BROOKS, Baltimore, Md., at about $300,000.

DREDGING PUMP.—Sorel, Que.—Bids are asked until May 23 by F. Gordeau, Depy. Minister Marine and Fisheries, for a direct connected dredging pump and triple expansion engine.

FIRE ALARM SYSTEM.—New York, N. Y.—John H. O'Brien, Fire Commissioner, has asked an appropriation of $1,625,000 for establishing a new fire alarm system in Manhattan Borough.

STEEL DUMP BARGES.—Panama.—The bids are asked until 2.30 p. m., May 21, by the Isthmian Canal Commission, for steel dump barges. Former bids for the barges have been rejected.

DAM. — Hermison, Ore.—Specifications, blank proposal and contract drawings of the Cold Springs dam, for which bids are asked until June 28, are on file at the office of Engineering News, New York.

CANAL.—Belle Fourche, S. Dak.—Bids are asked until 4 p. m., May 29, by R. F. Walter, Engr.-in-charge, for the completion of the main supply canal, Belle Fourche Project, from Station 80 to the terminus. Approximate amount of excavation, 200,000 cu. yds. Specifications and blank proposal are on file at office of Engineering News, New York.

READERS' WANTS FOR THOSE IN THE MARKET

The readers of ENGINEERING NEWS are constantly in the market for great quantities of machinery, tools and general supplies. While our thousand advertisers are usually able to furnish the material desired, yet there are many things wanted by our readers that are not advertised, although connected with engineering and contracting directly or indirectly. This department (R-W) is for this class of inquiries, and we urge our readers to keep us informed. Enclose five cents in stamps and we write to a number of leading manufacturers without further cost. When writing to our advertisers, who are the leaders in their respective lines, **mention Engineering News.** Have you a copy of our Buyers' Guide? **Engineering News Can Help Buyers.**

SECOND-HAND TRANSIT.—Ozark, Mo.—We are informed that W. N. Collier, Ozark, Mo., is in the market for a second-hand transit.

SAND-LIME BRICK AND CONCRETE-BLOCK MACHINERY. — Managua, Nicaragua.—We are officially informed that Augusto Nulet de Chambo, of Managua, Nicaragua, is in the market for sand-lime brick and concrete-block machinery.

INTERLOCKING METAL SHEET PILING.—El Paso, Tex.—We are in receipt of a letter from the International Water Co., El Paso, Tex., in which it states that it is desirous of communicating with manufacturers of interlocking metal sheet piling.

WATER COOLERS.—Quitman, Ga.—We are in receipt of a letter from C. T. Tillman, Asst. Purchasing Agt. for the South Georgia Railway Co., of Quitman, Ga., in which he desires names of firms manufacturing water coolers and stands for passenger cars.

CONCRETE MIXER, POWER TAMPER, ETC.—New York, N. Y.—We are informed that Arthur J. Slade, Engr., 4 East 42d St., New York, is in the market for a new or second-hand concrete mixer and power tamper for the manufacture of a concrete block building.

AUTOMATIC STREET SWEEPER.—Sterling, Ill.—Wm. D. Ferris, Alderman, Sterling, Ill., writes us that he desires information regarding an automatic street sweeper.

AIR LOCKS.—Chicago, Ill.—We are in receipt of a letter from R. J. Middleton, in which he states he is desirous of communicating with firms manufacturing and selling air locks for pneumatic caissons.

DIAMOND DRILL PLANTS.—Peterboro, Can.—We are in receipt of a letter from Alex. J. Grant, Engr., Peterboro, Can., in which he desires the names of firms operating diamond drill plants.

TESTING MACHINERY.—Paterson, N. J.—We are in receipt of a letter from Thomas L. Sewell, 18 Eagle Ave., Paterson, N. J., in which he states that he desires names of firms near New York where he can get a newly patented building column tested.

METAL PAINT.—Gardiner, Me.—We are in receipt of a letter from William Desmond, 399 Broadway, N. Y., Engineer for Hollingsworth & Whitney, Gardiner, Me., in which he states that he desires to communicate with firms manufacturing metal paint suitable for coating the inside surface of a large iron pipe and able to resist action of paper making chemicals.

DREDGING.—Cocheco River, N. H.—Bids are asked until noon, June 14 by Lieut.-Col. W. M. Black, 537 Congress St., Portland, Me., for dredging in Cocheco River, N. H. (Advertised, Engineering News.)

CEMENT.—Portland, Ore.—Bids are asked until 3 p. m., June 8, by the Chief Engineer, U. S. Reclamation Service, Portland, Ore., for from 7,500 to 8,500 bbls. Portland cement. (Advertised, Engineering News.)

MAIL CONVEYORS.—Chicago, Ill.—Bids are asked until 3 p. m., May 26, by James Knox Taylor, Supervising Arch., Washington, D. C., for the erection of enclosures for mail conveyors in the United States Post-office building at Chicago.

TUNNEL.—Chicago, Ill.—Plans and specifications and blank proposal for Section No. 2, southwest land tunnel, for which bids are asked until 11 a. m., May 23, are on file at office of Engineering News, New York. Advertised in issue of May 3.

BUILDING MATERIAL, ETC. — West Point, N. Y.—Bids are asked until noon, June 15, by the Quartermaster, U. S. Military Academy, for building supplies, etc. Maj. John M. Carson, Jr., is Q.-M. (Advertised, Engineering News.)

CANALS.—Klamath Falls, Ore.—Bids are asked until 2 p. m., June 21, by the U. S. Reclamation Service, Klamath Falls, for constructing 19 miles of main canal and 27 miles of laterals, with checks, turnouts, etc. (Advertised, Engineering News.)

AMUSEMENT TOWER.—New York, N. Y.—Contract for the foundations of the Friede Globe Tower at Coney Island has been awarded to the RAYMOND CONCRETE PILE CO., Chicago, Ill. It is reported that work will begin in about 90 days.

EXCAVATING.—Sandusky, Ohio.—Bids are asked until noon, May 25, by the Board of Public Service, for excavating bed rock and other materials from the established channel in Sandusky Bay. Wm. Ohlemacher is Pres. (Advertised, Engineering News.)

CANAL.—Huntley, Mont.—Bids are asked until 2 p. m., June 20, by the Chief Engineer, U. S. Reclamation Service, Billings, Mont., for the construction of about 17 miles of canal, including about 350,000 cu. yds. of excavation. (Advertised, Engineering News.)

WHARF AND LAUNDRY.—Savannah, Ga.—Bids are asked until 3 p. m., June 14, by James Knox Taylor, Supervising Arch., Treasury Dept., Washington, D. C., for the construction of a wharf and laundry at the U. S. Quarantine Station, Savannah, Ga. (Advertised, Engineering News.)

GRADING. — Spokane, Wash. — Bids are asked until May 21 by M. F. Mendenhall, Secy. of the Pokane-Pend D'Oreille Rapid Transit Co., for clearing the right-of-way and grading 46 miles of road from Spokane, Wash., northeast to Lake Pend D'Oreille, Idaho; also for building a steel bridge, with a span of 180 ft., over the Spokane River east of Greenacres.

DREDGING.—Washington, D. C.—Bids opened May 9, at the office of Lieut.-Col. R. L. Hoxie, Corps of Engineers, for dredging 45,000 cu. yds. in the Rappahannock River, near Fredericksburg, Va., were as follows: Ernest L. Miner, Petersburg, Va., 24½ cts. per cu. yd.; L. M. Lewis, Berkeley, Va., 29½ cts. per cu. yd.; Chas. P. Grim, Philadelphia, 26¼ cts. per cu. yd.

TELEPHONE SYSTEM.—Milwaukee, Wis.—The West Shore Telephone & Telegraph Co., for which the city council has just voted a franchise, expects to begin at once the construction of a $3,000,000 system in Milwaukee, which also will connect with independent lines throughout the State and elsewhere. The company expects to build a central exchange and four exchanges in outlying parts of the city.

CANAL.—Boise, Idaho.—Bids for excavating the main south side canal from the Boise River to Indian Creek, Payette-Boise project, opened at the office of the U. S. Reclamation Service, Boise, Idaho, were as follows: (A) Wm. H. Thompson, Boise; (B) Smith & Youngkin, Boise; (C) Page & Brinton, Salt Lake City. From Sta. 2-00 "A" to Sta. 38-00 "A" and from Sta. 0-00 "B" to Sta. 316-80 "B," (A) $93,325, (B) $106,025, (C) $130,860; from Sta. 316-80 "B" to Sta. 686-40 "B," (A) $66,475, (B) $81,500, (C) $69,750; from Sta. 686-40 "B" to Sta. 1004 "B," (A) $66,600, (B) no bid, (C) $66,150.

BUTTERFLY DAM.—Chicago, Ill.—Bids are asked until noon, July 11, by the Board of Trustees, Sanitary District of Chicago, for the construction of a pivotal steel butterfly dam, with foundations, anchorages and end walls of Portland cement concrete, and is to be located in Lockport Township, Will County. Robt. R. McCormick is Pres. and I. J. Bryan, American Trust Bldg., is Clk. (Advertised, Engineering News.)

BATTLESHIPS.—Washington, D. C.—The opening of bids for the construction of the battleships Michigan and South Carolina has been postponed from June 2 to June 23. The reason assigned by the department is that the Union Iron Works, of San Francisco, did not receive the plans and specifications of the new ships in time for them to submit bids, owing to the lack of mail facilities during the recent earthquake disaster.

CANAL WORK.—Glendive, Mont.—The Secretary of the Interior has awarded a contract to HENRY C. DE LANCY, of Williston, N. D., for the construction and completion of Division 4, main canal, Lower Yellowstone project. This contract calls for the construction of 9½ miles of canal, involving 465,300 cu. yds. of excavation, 35,000 cu. yds. of overhaul, 500 linear ft. of 24-inch terra-cotta pipe, and 1,000 cu. yds. of puddling.

BARGE CANAL.—Albany, N. Y.—N. V. V. Frauchot, Supt. Pub. Wks., announces that contracts for the construction of the Barge Canal have been awarded as follows: Contract No. 8, EASTERN CONTRACT CO., Troy, N. Y., at $1,433,817; Contract No. 11, FORT ORANGE CONSTRUCTION CO., 112 State St., Albany, at $1,359,475. Contract No. 10 has not been awarded. Detailed bids for this work will be published under "Contract Prices" in the issue of May 24.

TUNNEL.—Boston, Mass.—Bids received on May 8, by Boston Transit Commission, 15 Beacon St., on contract for constructing section nine of Washington St. subway, from Hanover St. to Haymarket Sq., were as follows: Degnon Contracting Co., New York, $277,610; Seeley-Taylor Co., New York, $270,550; Bruno, Salomone & Petitti, Boston, $266,650; W. H. Keyes & Co., Boston, $265,050; Jones & Meehan, Boston, $266,000; Cranford Co., Brooklyn, N. Y., $233,865; Fred S. & A. D. Gore Corp., Boston, $253,040; Metropolitan Contracting Co., Boston, $249,975; Hugh Nawn Contracting Co., Boston, $237,900; Coleman Bros., Boston, $236,360; Patrick McGovern, Boston, $236,150; Chas. R. Gow Co., 979 Milk St., Boston, $234,950; Jas. J. Coughlan Construction Co., 19 Washington St., Roxbury, $198,275. Advertised in Engineering News on April 19.

PIER.—Locust Point, Md.—Plans and specifications have been issued to 17 contractors by the Baltimore & Ohio R. R. for the superstructure on Pier No. 8 of the Baltimore & Ohio system at Locust Point, Md., of which the substructure will be completed by August of this year. The contract will call for completion by May 1, 1907. The new pier will be two stories in height, with a total floor space of 300,000 sq. ft. It will rest on about 10,000 piles, averaging 60 ft. in length, capped with heavy timbers, upon which a floor of 8-inch lumber will be laid. On this floor concrete piers will be built under the building columns, and a concrete wall on each side of the depressed tracks, as well as on each side and end of the pier. The framework of the building will be of steel, and about 2,000 tons of this material will be required. The side and end walls will be of corrugated galvanized iron. The second floor will be carried on heavy timber joists, resting on steel girders. The building will be fully equipped with elevators, barrel hoists, traveling cranes and wharf drops, operated by electricity. The pier will furnish berth space for three large vessels.

CIVIL SERVICE EXAMINATIONS

CUSTODIAN.—West Point, N. Y.—An examination will be held on June 13, by the U. S. Civil Service Commission to secure eligibles to fill a vacancy in the position of custodian of Academic Building, at $1,000 a year, Military Academy, West Point, N. Y., and similar vacancies as they occur at that Academy. Age limit, 20 years. Application form 1093.

ASSISTANT ENGINEER, CHAINMAN AND RODMAN, TOPOGRAPHICAL DRAFTSMAN.—New York, N. Y.—The Municipal Civil Service Commission, 299 Broadway, announces that the receipt of applications for examinations to be held June 2, as noted in Engineering News May 10, will close on May 21, and not on May 14 and 15, as before announced.

INSPECTOR OF CARPENTRY AND MASONRY.—New York, N. Y.—An open competitive examination will be held on June 7, at 10 a. m., for position of Inspector of Carpentry and Masonry, at $4 a day. The receipt of applications will close May 19, at noon. Age limit, 21 years. Frank A. Spencer is Secy. Municipal Civil Service Comn., 299 Broadway, New York.

INSPECTOR OF PIPE LAYING, PIPES AND HYDRANTS.—New York, N. Y.—The Municipal Civil Service Commission, 299 Broadway, New York, will hold an open competitive examination June 12, at 10 a. m., for the position of Inspector of Pipe Laying, Pipes and Hydrants, at $4 a day. Applications will be received until 4 p. m., May 22. Age limit, 21 years. Frank A. Spencer, Secy.

MECHANICAL SUPERINTENDENT.—Manila, P. I.—An examination will be held on June 13 by the U. S. Civil Service Commission to secure eligibles to fill a vacancy in the position of mechanical superintendent, Bureau of Prisons, Manila, P. I., at $2,500 a year, and similar vacancies as they may occur in the Philippine Service. Age limit, 18 to 40 years. Application forms 2 and 1093.

STATISTICIAN.—Washington, D. C.—An examination will be held on June 13 by the U. S. Civil Service Commission to secure eligibles to fill a vacancy in the position of statistical clerk in the Geological Survey, at a salary of from $1,000 to $1,800 a year, according to qualifications, and vacancies as they may occur in that Survey requiring similar qualifications. Age limit, 20 years. Application form 1312.

ENGINEER AND CARPENTER.—Winnebago, Nebr.—The U. S. Civil Service Commission announces an examination on June 13, 1906, to secure eligibles to fill a vacancy in the position of engineer and carpenter, at $660 a year, in the Indian Service at Winnebago, Nebr., and vacancies as they may occur in any branch of the service requiring similar qualifications. As no eligibles were secured as the result of the examination held on April 18, qualified persons are urged to enter this examination. Age limit, 20 years. Application form 1093.

MECHANICAL DRAFTSMAN.—Rock Island, Ill.—The U. S. Civil Service Commission announces an examination on June 13, 14, 15, 1906, to secure eligibles to fill two vacancies in the position of mechanical draftsman in the Ordnance Department at Large, Rock Island, Ill., at $1,200 a year each, and vacancies as they may occur in any branch of the service requiring similar qualifications. As the Commission has experienced considerable difficulty in securing eligibles for this position, qualified persons are urged to enter the examination. Age limit, 20 years. Application form 1312.

MAP PRINTER.—Washington, D. C.—The U. S. Civil Service Commission announces an examination on June 13, 1906, to secure eligibles to fill a vacancy in the position of map printer, at $1,000 a year, in the Geological Survey, and vacancies as they may occur in that Survey requiring similar qualifications. Applicants are desired who have had experience in making transfers to stone, zinc and aluminum. Preference in appointment will be given to those who have had experience in map work. No educational test will be given, and it will not be necessary for applicants to appear at any place for examination. Age limit, 20 years. Application form 1093.

INDUSTRIAL NOTES.

PUBLIC SERVICE CORPORATION of N. J. has recently awarded to the Crocker-Wheeler Co., of Ampere, N. J., contract for two 500-KW. generators, to be used for power purposes, at Paterson, N. J.

E. G. SOLTMAN & CO., 125 East 42d St., New York, report that they are sending upon request a sample vial of "Inkoff," which is sufficient, for a trial, to remove "accidental lines" and "lines that overrun the mark," which are so often a bone of contention to the draftsman.

THE ROGERS LOCOMOTIVE WORKS, Paterson, N. J., are building some large combination freight locomotives for the Delaware, Lackawanna & Western Railway. These have cylinders 21 × 26 ins.; driving wheels, 4 ft. 9 ins. diameter, and weigh 95 tons in working order.

THE CROCKER-WHEELER CO., of Ampere, N. J., has received an order for an engine type generator of 100-KW. capacity, to be used as exciter for large turbo generator to be installed at the Philadelphia Rapid Transit Co.'s Power Station, at Second and Grand Aves., Philadelphia, Pa.

THE CENTURY CEMENT MACHINE CO., of Rochester, N. Y., has within the past month shipped to foreign countries twenty-two Hercules cement stone machines. Eight of these machines were shipped to Ireland; one to England; one to Chili; four to Porto Rico; four to Cuba; two to Buenos Ayres, and two to Australia.

FAIRBANKS, MORSE & CO., San Francisco, Cal., now occupy temporary headquarters at 969 Broadway, Oakland, Cal., until they are able to return to their permanent location in San Francisco. Meanwhile their many customers are receiving the customary prompt attention for which the company is famous, and they have never ceased the sale of their well-known specialties, scales, gasoline engines, steam pumps, motors, generators, windmills, etc.

THE WILLIAM GRAVER TANK WORKS CO. reports that it has moved its general offices to East Chicago, Ind., where, aside from the regular line of steel tanks, estimates on general plate work will be furnished.

THE SULLIVAN MACHINERY CO. reports that temporary offices have been secured at 1010 Washington St., Oakland, Cal., where a stock of rock drills and air compressors will be carried.

THE PELTON WATER WHEEL CO., notwithstanding the complete destruction of its San Francisco works in the great fire, was particularly fortunate. All drawings, books, and cost records, so essential to a manufacturing concern, were saved, together with several years' correspondence. In addition, this company has had under construction for several months past new works in San Francisco. These were outside of the fire zone and are being rushed to completion, so that they will be running soon.

THE STANDARD ROLLER BEARING CO., of Philadelphia, Pa., is now building a drop forge plant, including building 80 × 120 ft., which will be equipped with special drop forge hammers 1,200 lbs., 2,000 lbs. and 3,000 lbs. each. It is also erecting a 4-story building, 210 × 100 ft., which will be devoted to the manufacture of annular ball bearings and a small portion of it to the manufacture of automobile axles. The above additions will give the Standard Roller Bearing Co. a total of 355,000 sq. ft. of factory floor space.

THE ELECTRIC CABLE CO., of 17 Battery Pl., New York, has just received large orders for voltax, the new insulating compound, from the American Railways Co., of Philadelphia; S. Pearson & Son, contractors on the Pennsylvania Tunnel; and from the United Water Improvement Co., of Philadelphia. Reports show that this material has been used successfully both as an insulating and as a waterproofing compound. The company reports the sale of this compound in large quantities to 50 leading railway companies in this country, England, France, Germany and Italy.

THE POWER & MINING MACHINERY CO., of Milwaukee, Wis., has recently closed contracts for its Loomis-Pettibone gas generating plants for an aggregate of approximately 12,000 HP. These include an installation for the Pittsburg Plate Glass Co. at its Crystal City, Mo., plant to produce gas for operating a large Allis-Chalmers gas engine; the Norton Emery Wheel Co., Worcester, Mass., for operating Westinghouse gas engines; the Charlotte Consolidated Construction Co., Charlotte, N. C., for operating Snow gas engines in connection with street railway work; and an increase in the present installation at Sayles' Bleacheries, Saylisville, R. I., for the operation of American-Crossley gas engines.

J. H. ROBERTS, 125 La Salle St., Chicago, handling the Roberts patent steam track-laying machine, reports that several improvements have been made in the machine since it was first introduced at Seattle, Wash., some years ago. It is now more simple and compact. The machine has been used on many of the large railways of the West and Central West, including the Chicago & Northwestern Ry., the Chicago, Rock Island & Pacific Ry., the Great Northern Ry., the Chicago, Milwaukee & St. Paul Ry. and the Chicago Great Western Ry. It has also been used on smaller lines, such as the Indiana Harbor Ry.

THE KENT MILL CO., 170 Broadway, New York, report that owing to an extensive increase of business, has found it necessary to purchase the Worthington Pump Works, covering about two city blocks, in Brooklyn, N. Y. This property comprises about twenty model factory buildings of brick and steel fireproof construction, as well as including a railroad with switches entering the various buildings, running to tidewater and to tracks of the New York Terminal Co. The terminal freight depot connecting with all railroads is on the adjoining block, and next to this is the great Atlantic Basin from which steamers to all parts of the world leave. The factories are within 15 minutes of Broadway and Liberty St., and comprise a most complete manufacturing installation.

THE ALLIS-CHALMERS CO. reports the following as a partial list of orders recently received: The American Trading Co., of New York, a 75-KW. Type I generator for re-shipment; the E. I. Dupont Co., of Fontanet, Ind., will install two 75-KW. Type H generators; the H. C. Frick Coke Co., of Yorkrun, Pa., a 400-KW. AI generator, and the Bates & Clark Co., of Seattle, Wash., a 100-HP. Standard induction motor of the same make. The Milwaukee Electric Railway & Light Co., three 22-KW. exciters for direct mounting on the shafts of the three 1500-KW. turbine generator units ordered some time ago; the American Can Co., of New York, a 20 and 40 × 42 heavy duty cross compound Allis-Chalmers engine, direct connected to a 500-KW. direct current generator, switchboard, etc.; the Allegheny County Light Co., Pittsburgh, Pa., twelve more Type AN induction motors, ranging from 7½ to 15 HP. and an 18-HP. Type N direct current motor.

THE WESTINGHOUSE ELECTRIC & MANUFACTURING CO., East Pittsburg, Pa., reports that within the last week or two orders came into this department for no less than fifty-five electric locomotives. Some of these are for mining plants and will be used for hauling coal in the pit. Others are for manufacturing plants, where the electric locomotive is now finding extensive use in the transportation of material from the shops to the railroad siding, and a very large number are for railroad companies, which are gradually finding out the many advantages of this class of motor, and use the electric locomotive for hauling freight. These orders for electric locomotives do not come from one part of the country, but are shipped everywhere. For example, the Youghiogheny & Ohio Coal Co., of Cleveland, has ordered five; the Ziegler Coal Co., of Ziegler, Ill., three; the Berwind-White Coal Mining Co., of Berwind, Pa., four; the Copper Queen Consolidated Mining Co., of Colorado, twelve; the Mammoth Copper Mining Co., of Mayville, Cal., one; the Seattle-Boston Copper Co., of Seattle, Wash., one; the St. Louis, Rocky Mountain & Pacific Railway Co., three; the Pennsylvania Salt Manufacturing Co., of Natrona, Pa., three; the Pittsburgh Plate Glass Co., of Charleroi, Pa., four; the Pocahontas Colliery Co., of Pocahontas, Va., three; the Washington Railways & Electric Co., of Washington, D. C., one freight locomotive, and the Tennessee Copper Co., of Isabella, Tenn., three.

THE ELECTRIC PROPERTIES CO., 111 Broadway, New York, incorporated May 10 under the laws of the State of New York with a capital of six million dollars preferred and six million dollars common stock, has been organized to acquire, finance and develop properties, either whole or in part, especially those in which electricity plays the principal parts, such as power, electric traction and electric lighting enterprises, and to invest and deal in and to guarantee the securities of corporations operating such properties. It will also conduct through Westinghouse, Church, Kerr & Co. (all of whose capital stock is owned by the new company) a general engineering and construction business. It may also issue collateral trust bonds secured by the pledge of securities acquired in the course of business. While the purposes of the company, as mentioned above, will be mainly financial, it is not intended to make any changes in the organization or personnel of Westinghouse, Church, Kerr & Co., whose operations have been highly successful, and they will continue to be conducted under the efficient administration of Mr. Walter C. Kerr, president. While the Electric Properties Co. will avail itself of the engineering and construction organization of Westinghouse, Church, Kerr & Co. it will also use other engineering organizations or independent consulting engineers as circumstances may require. One of the objects of the new company will be to cooperate with vested interests, such as railways and other public service companies, in the development of properties for their account, and either temporarily or permanently assist in financing such properties. Mr. John F. Wallace has been selected as President of the new corporation, and two Vice-Presidents will be elected at the first meeting of the Board of Directors. The following gentlemen constitute the directorate, all of whom will be actively interested in the conduct of the business of the Electric Properties Co.: Charles H. Allen, vice-president, Morton Trust Co., New York; Paul D. Cravath, Cravath, Henderson & De Gersdorff New York; H. D. Giddings, New York; N. W. Halsey, N. W. Halsey & Co., New York; George C. Smith, vice-president, Security Investment Co., Pittsburg; John A. Spoor, president, Union Stock Yard & Transit Co., and president Chicago Junction Railway Co., Chicago; Moses Taylor, Kean, Van Cortlandt & Co., New York; E. G. Tillotson, vice-president, Cleveland Trust Co., Cleveland; F. D. Underwood, president, Erie Railroad, New York; R. B. Van Cortlandt, Kean, Van Cortlandt & Co., New York; John F. Wallace, president, Electric Properties Co., New York; George Westinghouse, president, Westinghouse Electric & Mfg. Co., Pittsburg.

TRADE PUBLICATIONS.

SAW MILL ACCESSORIES.—Allis-Chalmers Co., Milwaukee, Wis. Bulletin No 1703; paper: 8 × 10½ ins.; pp. 16; illustrated.

Various styles of trimmers, slashers and cutting off saws manufactured by the saw mill department are described.

CENTRIFUGAL PUMPING MACHINERY.—R. D. Wood & Co., Philadelphia, Pa. Paper; 6 × 9 ins.; pp. 110; illustrated.

This catalogue, besides describing direct connected and belted pumps, is a very good handbook relative to pumping machinery.

GENERATORS.—Allis-Chalmers Co., Milwaukee, Wis. Bulletin No. 1050; paper; 8 × 10½ ins.; pp. 20; illustrated.

Alternating current revolving field generators, water-wheel type, are described. They are 60-cycle machines of 50 to 5,330 KW. capacity.

COMPRESSORS.—Ingersoll-Rand Co., New York City. Catalogue R-37; paper; 6 × 9 ins.; pp. 120; illustrated.

Air and gas compressors ranging in sizes from 15 to 8,000 cu. ft. capacity are listed. The catalogue contains numerous tables useful to engineers.

ELECTRIC HOISTS.—The Wellman-Seaver-Morgan Co., Cleveland, O. Paper; 6 × 9 ins.; pp. 36; illustrated.

The book contains tables of dimensions, capacities, etc., of self-contained electric hoists, together with cuts and descriptions of the different styles.

PAINTS.—National Paint Works, Williamsport, Pa. Paper; 6 × 9 ins.; pp. 45; illustrated.

Frank P. Cheesman, Member American Society for Testing Material, Member Society of Chemical Industry, gives a review of the causes for the short life of paints, especially when used on metal. He also notes how to obtain the best results from paints. Many of the different paints made by the company are described.

ORE PULVERIZER.—Allis-Chalmers Co., Milwaukee, Wis. Bulletin No. 11410; paper; 8 × 10½ ins.; pp. 11; illustrated.

The Gates tube mill for wet pulverizing in mining work is described, showing what advantages obtain by its use.

ELECTRIC MOTORS.—Stanley-G. I. Electric Manufacturing Co., Pittsfield, Mass. Bulletin No. 605; paper; 6 × 9 ins.; pp. 4; illustrated.

Small direct current, bi-polar motors of $^1/_{12}$ to 2 HP. are listed, wtih dimensions.

LOG MACHINERY.—Allis-Chalmers Co., Milwaukee, Wis. Bulletin No. 1706; paper; 8 × 10½ ins.; pp. 16; illustrated.

This bulletin describes log jacks, chain brackets, bull chains, cut-off saws for log deck, log transfer and flipper, canting machines and loaders.

PUMP VALVES.—Crosby Steam Gage Valve Co., New York City. Paper; 6¼ × 9½ ins.; pp. 4; illustrated.

This pamphlet describes the Branden patent pump valve. These valves have a wire insertion which gives them a greater durability than plain rubber ones.

NOISELESS BRAKE HANGER.—J. G. Brill Co., Philadelphia, Pa. Paper; 5½ × 7½ ins.; pp. 8; illustrated.

The new Brill brake hanger is described. This hanger is self adjusting and automatically takes up the wear in the joints. It requires no attention for two years.

POT FURNACES.—Rockwell Engineering Co., New York City. Paper; 6¼ × 9 ins.; pp. 8; illustrated.

These furnaces operate on either oil or gas for fuel and are used for lead or cyanide hardening, and for melting soft metals. The catalogue contains a table of sizes of pots.

CIRCUIT BREAKERS.—Stanley-G. I. Electric Manufacturing Co., Pittsfield, Mass. Bulletin No. 603; paper; 6 × 9¼ ins.; pp. 20; illustrated.

This circular is devoted to types C-16, C-7, C-11. These circuit breakers are designed to meet all requirements of service, and operate on 250 to 650 volts.

WELL SCREENS.—E. E. Johnson, St. Paul, Minn. Card; 9¼ × 5¼ ins.; illustrated.

This card shows the Johnson brass well screen, which was described and illustrated in our issue of March 8. Dimensions and prices are given.

WIRE ROPE TRAMWAYS.—The Trenton Iron Co., Trenton, N. J. Paper; 8½ × 10¼ ins.; pp. 4; illustrated.

This pamphlet is devoted to the Bleichert system of tramways and illustrates different styles of construction, and the various styles of carriers, cables, etc., manufactured.

GRADING SCRAPER.—The Bagley Grader Co., Tacoma, Wash., and 813 First National Bank Building, Chicago, Ill. Paper; 8½ × 11 ins.; pp. 4; illustrated.

This is a bottomless scraper, operated from a hoisting engine by hauling and tail ropes. It has already been used in grading steam railways and logging roads,and is said to do the work at from 2½ to 5 cents per cu. yd.

ENGINEERS' CONTRACT BOOK.—Henry Zevy, Canton, O.: The Goheen Mfg. Co. Paper; 18 × 23 ins.; illustrated.

Views of structures erected by this company are placed before and after a variety of blank forms designed for tabulating bids and keeping records of contract work. There is also a small amount of useful text.

RAILWAY WATER COLUMNS.—Charles A. Stickney Co., St. Paul, Minn. Paper; 6 × 9 ins.; pp. 8; illustrated.

The Johnson water-column for supplying locomotive tender tanks has a loose spout with a vertical range of 5 ft. at the end, so that it can be adjusted to the manholes of tenders of different heights, avoiding the splashing of water. The apparatus is described and illustrated in some detail.

AIR COMPRESSORS.—Ingersoll-Rand Co., 11 Broadway, New York City. Catalogue R 10. Paper; 6 × 9 ins.; pp. 32; illustrated.

This catalogue describes the "Imperial" machine, which is self-contained, self-oiling, arranged for driving by steam, water-wheel, electric motor, gas engine or line shaft. The compressors are designed for pressures ranging for 20 to 100 lbs. per sq. in. and capacities up to 5,000 cu. ft. of air per minute.

For other Proposal Advertisements see pages 43, 44, 45, 46, 47, 48, of Advertisements and Construction News page 186.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., May 8, 1906.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 26th day of May, 1906, and then opened, for the enclosures for Mail Conveyors, in the U. S. Post Office, Court House, etc., Building at Chicago, Illinois, in accordance with drawings and specifications, copies of which may be had at this office, or at the office of the Custodian, at Chicago, Illinois, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect. 20-2t

SAND FILTER.

Lawrence, Mass.

Sealed bids or proposals for the construction of a covered slow sand filter at Lawrence, Mass., will be received until 3 o'clock p. m., May 25th, at the office of the city clerk, city hall, Lawrence, Mass., and will be publicly opened and read at 4 p. m. same date. Approximate quantities:

Excavation .....35,000 cubic yards.
Concrete ..... 3,000 cubic yards.
Filter material ..... 6,200 cubic yards.

A deposit of $5.00 will be required for specifications and $15.00 for plans.

The right is reserved to reject any or all bids, or to increase or decrease quantities.

JOHN P. KANE, Mayor.
CORNELIUS J. CORCORAN, City Clerk.
MICHAEL F. COLLINS,
Superintendent of Water Works.
ARTHUR D. MARBLE, City Engineer.
CHAPIN & KNOWLES,
Consulting Engineers.
Lawrence, Mass., May 8th, 1906. 20-1t

PAVING.

Sullivan, Ind.

Bids will be received until 5 o'clock P. M., by the Board of Trustees of the Town of Sullivan, Indiana, May 21st, 1906, for 20,500 square yards of Vitrified Brick Pavement.
20-1t DAVID CRAWLEY, Clerk.

DEPARTMENT OF THE INTERIOR, Washington, D. C., May 12, 1906.—Sealed proposals will be received at the office of the United States Reclamation Service, Klamath Falls, Oregon, until 2 o'clock p. m., June 21, 1906, for the construction of 19 miles of canal, and 27 miles of laterals in Klamath County, Oregon, with checks, turnouts, culverts, bridges and other appurtenances, involving about 570,000 cubic yards of excavation, 1,550 cubic yards of concrete masonry, and about 35,000 ft. B. M. of lumber. Plans, specifications and forms of proposal may be obtained by application to the Chief Engineer of the United States Reclamation Service, Washington, D. C., the Supervising Engineer, 1108 Union Trust Building, Los Angeles, California, or the Project Engineer, Klamath Falls, Oregon. E. A. HITCHCOCK, Secretary. 20-2t

DEPARTMENT OF THE INTERIOR, Washington, D. C., May 8, 1906.—Sealed proposals will be received at the office of the United States Reclamation Service, Billings, Montana, until 2 o'clock p. m., June 29, 1906, for the construction of about 17 miles of canal, involving approximately 350,000 cubic yards of excavation. Plans, specifications and proposal blanks may be obtained from the Chief Engineer, Reclamation Service, Washington, D. C., or from the Engineer, Huntley, Montana. E. A. HITCHCOCK, Secretary. 20-5t

DEPARTMENT OF THE INTERIOR, Washington, D. C., May 8, 1906.—Sealed proposals will be received at the office of the United States Reclamation Service, Portland, Oregon, until 3 o'clock p. m., June 8, 1906, for furnishing from 7,500 to 8,500 barrels of Portland Cement. Particulars may be obtained by application to the Chief Engineer of the Reclamation Service, Washington, D. C., or to the Supervising Engineer, 351 Washington Street, Portland, Oregon. E. A. HITCHCOCK, Secretary. 20-3t

OFFICE OF CONSTRUCTING OFFICER, U. S. SOLDIERS' HOME, Washington, D. C., May 10, 1906.—Sealed proposals for erection of Power-House, Installation of Boiler Plant, Generating Machinery, Main Switchboard, Steam Laundry Equipment, Refrigeration Plant and Power-House piping; also for Tunnels and Conduits for hot water distribution from Central Station; also for steam, refrigeration and electricity; for construction of Pipes and Mains in Tunnels and Conduits for above; Heating and Ventilating Apparatus in New Mess Hall and Dormitory Building, will be received here until noon, June 28, 1906, and then publicly opened. Information on application. JOHN STEPHEN SEWELL, Captain, Corps Engineers, Constructing Officer. 20-6t

DEPARTMENT OF THE INTERIOR, Washington, D. C., May 3, 1906.—Sealed proposals will be received at the office of the Supervising Engineer, United States Reclamation Service, Portland, Oregon, until 2 o'clock p. m., June 29, 1906, for the construction of about 25 miles of canal, extending from the Umatilla River, near Echo, Oregon, to the proposed Cold Springs Reservoir, consisting of the following work: About 700,000 cubic yards of earth excavation, about 6,000 cubic yards of rock excavation, about 2,300 cubic yards of concrete and about 3,600 cubic yards of riprap, divided into two schedules. Particulars may be obtained at the offices of the United States Reclamation Service at Washington, D. C., and Portland, Oregon. E. A. HITCHCOCK, Secretary. 19-5t

WEST POINT, N. Y., May 15, 1906.—Sealed proposals in duplicate will be received here until 12 o'clock noon, June 15, 1906, for Building Materials, Plumbing Materials, Gas and Steam Fittings, Hardware, Tools, Paints, Glass, and other miscellaneous stores specified in schedules to be had upon application. The right is reserved to reject any or all proposals, or any part thereof. Enclose proposals in envelope marked "Proposals for Military Supplies," and addressed QUARTERMASTER, West Point, N. Y. 20-4t

U. S. ENGINEER OFFICE, 537 Congress Street, Portland, Me., May 14, 1906.—Sealed proposals for dredging in Cocheco River, N. H., will be received here until 12 M., June 14, 1906, and then publicly opened. Information furnished on application. W. M. BLACK, Lieut.-Col., Engrs. 20-4t

BUTTERFLY DAM.

Chicago, Ill.

Sealed Proposals, addressed to the Board of Trustees of the Sanitary District of Chicago, and indorsed:

"Proposals for construction of an emergency Butterfly Dam in the Main Drainage Canal of the Sanitary District of Chicago," will be received by the Clerk of the said Sanitary District of Chicago at the office of the said Sanitary District, on the 15th floor of the American Trust Building, corner of Monroe and Clark Streets, Chicago, Ill., until 12 M. (standard time), of Wednesday, the 11th day of July, A. D. 1906, and will be publicly opened by said Board of Trustees at a meeting of the Board held that day.

The Dam for which said tenders are invited is a pivoted steel structure with foundations, anchorages and end walls of Portland Cement Concrete, and is to be located in the Main Channel of the Sanitary District near the present Controlling Works, in Township of Lockport, Will County, State of Illinois.

The work for which said tenders are invited includes supplying all materials for the said Butterfly Dam, and constructing same complete, according to plans furnished by the Sanitary District of Chicago, and in conformity with specifications furnished by the said Sanitary District.

Each bid must be accompanied by a certified check or cash to the amount of three thousand ($3,000) dollars. All certified checks must be drawn on some responsible bank doing business in the City of Chicago, and shall be made payable to the Clerk of the Sanitary District of Chicago. Said amounts of three thousand ($3,000) dollars, deposited with bids, will be held by the Sanitary District until all of the respective bids for said structure have been canvassed and the contract awarded and signed. The return of said check or cash to the bidder to whom the award of said work shall have been made will be conditioned upon his appearing within ten (10) days after receiving notice of such award, with bondsmen, and executing a contract with the Sanitary District for the work so awarded, and giving a bond satisfactory to the Board of Trustees, for the fulfilment of the contract for the construction of said Butterfly Dam, in the amount of forty thousand ($40,000) dollars.

All bids must be made upon blank forms furnished by the Sanitary District.

No bid will be considered unless the party making it shall furnish evidence satisfactory to the Board of Trustees of his experience and ability in this class of work, and his financial ability successfully to prosecute the said contract in case the same shall be awarded him.

Bidders are required to state in their bids their individual names and places of residence in full.

The Board of Trustees reserves the right to reject any and all bids.

THE SANITARY DISTRICT OF CHICAGO,
By Robert R. McCormick,
President of its Board of Trustees.

Attest:
I. J. BRYAN, Clerk.
Chicago, May 12, 1906. 20-1t

WATER PIPE, CASTINGS, ETC.

Youngstown, Ohio.

Sealed proposals will be received by the Board of Public Service of the City of Youngstown, Ohio, until 12 o'clock noon, Monday, May 28th, 1906, for furnishing 1,437 tons, or less, of cast-iron water pipe, and 25 tons of special castings.

Specifications may be seen and had at the office of the Bd. of Public Service.

Bids shall contain the full name of every person or company interested, and accompanied by a sufficient bond in the sum of $500.00 to the satisfaction of the Board, or a certified check on a solvent bank, as a guaranty that, if the bid or any part thereof is accepted, a contract will be entered into and the performance of it properly secured.

The Board of Public Service reserves the right to reject any or all bids.

By order of the Board of Public Service.
G. T. PROSSER,
20-2t Clerk.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., May 14, 1906.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 14th day of June, 1906, and then opened, for the construction of a Wharf and Laundry at the United States Quarantine Station, Savannah, Georgia, in accordance with drawings and specification, copies of which may be had at the discretion of the Supervising Architect, by applying at the office or to the Medical Officer in Command, at Savannah, Georgia. JAMES KNOX TAYLOR, Supervising Architect. 20-2t

STREET PAVING.

Binghamton, N. Y.

Notice is hereby given that sealed proposals for repaving Main Street, State Street, Water Street, Court Street, Court Street Bridge, Ferry Street, Ferry Street Bridge, Washington Street, Lewis Street and Chenango Street, between the rails thereof and for 2 feet outside of the outside rails, with vitrified brick on a 6-inch hydraulic cement concrete foundation, and for resurfacing with asphalt, from 2 feet outside of the outside rails of the street railroad tracks to the curbs, except that the gutters shall be repaved with vitrified brick on a 6-inch hydraulic cement concrete foundation, in accordance with specifications now on file in City Clerk's Office, will be received at the City Clerk's Office until 5 o'clock P. M., May 28th, 1906, and will be opened by the Common Council at a meeting to be held on said day. Proposals must state the kind of brick and asphalt to be used; and separate price on broken stone and gravel concrete.

At the same time and place, proposals will also be received for re-paving the above-named streets and bridges with vitrified brick on a 6-inch hydraulic cement concrete foundation; proposals to state the kind of brick to be used, and separate prices on broken stone and gravel concrete, in accordance with specifications now on file in the Clerk's office.

APPROXIMATE ESTIMATE OF TOTAL RE-PAVING WITH BRICK AND ASPHALT.

Asphalt, 36,876 sq. yds.; brick, 23,778 sq. yds.; asphalt excavation, 1,962 cu. yds.; excavation for brick, 7,504 cu. yds.; new concrete, 4,163 cu. yds.

APPROXIMATE ESTIMATE OF TOTAL RE-PAVING WITH BRICK AND AS-

Brick, 60,748 sq. yds.; excavation, 18,966 cu. yds.; concrete, 9,914 cu. yds.

Specifications and approximate estimate of re-paving to be done on each street will be furnished on application to the City Clerk.

Blank forms will be furnished by the City Clerk on application.

The Council reserves the right to reject any or all bids. 20-2t

D. C. HERRICK,
City Clerk.

PAVING.

Bridgeport, Conn.

Sealed proposals are invited by the Aldermanic Committee on Streets and Sidewalks for furnishing and laying about thirteen thousand seven hundred and thirty (13,730) square yards of paving brick, wooden blocks, or bituminous macadam on Main Street, in this city.

Bids will be received at the City Clerk's office, City Hall, until eight o'clock P. M., Sautrday, June 9, 1906, and should be addressed to the undersigned and endorsed "Bid for Main Street Pavement."

Specifications and blank forms for bidding may be obtained from William W. Starr, City Surveyor, City Hall, Bridgeport, Conn.

The Committee reserves the right to reject any or all bids.

The Committee on Streets and Sidewalks,
W. H. R. DuBOIS,
20-2t Chairman.

AIR COMPRESSOR.

Galesburg, Ill.

Sealed bids will be received by L. F. Brown, City Clerk of the City of Galesburg, Ill., until five o'clock p. m., Monday, June 4th, A. D. 1906, for furnishing an air compressor of a guaranteed capacity sufficient to furnish air to pump and to deliver to the reservoir one (1) million gallons of water from the deep wells at the City Water-Works in said city in twenty-four (24) hours, as a minimum, and one and one-half (1½) million gallons in twenty-four (24) hours, as a maximum. Said proposal or bid to include the entire cost of furnishing, installing and connecting up the compressor complete, ready for use; said compressor to be tested by the City of Galesburg, Illinois, for a period of six (6) months after being installed and before acceptance of same.

Proposals must be made out on blank forms, which may be obtained at the office of F. M. Connolly, City Engineer.

The City reserves the right to reject any or all bids.

L. F. BROWN,
19-4t City Clerk.

U. S. ENGINEER OFFICE, Federal Building, Dallas, Tex., April 12, 1906.—Sealed proposals for building lock and dam No. 6 on Trinity River, Texas, will be received here until 12 M., May 28, 1906, and then publicly opened. Information furnished on application. W. P. WOOTEN, Capt., Engrs. 15-2t 20-2t

WATER VALVES.

Youngstown, Ohio.

Sealed proposals will be received by the Board of Public Service of the City of Youngstown, Ohio, until 12 o'clock noon, Monday, May 28th, 1906, for furnishing 103 Water Valves.

Specifications may be seen and had at the office of the Bd. of Public Service.

Bids shall contain the full name of every person or company interested, and accompanied by a sufficient bond in the sum of $500.00 to the satisfaction of the Board, or a certified check on a solvent bank, as a guaranty that, if the bid or any part thereof is accepted, a contract will be entered into and the performance of it properly secured.

The Board of Public Service reserves the right to reject any or all bids.

By order of the Board of Public Service.
G. T. PROSSER,
20-2t Clerk.

SOFT PIG LEAD.

Youngstown, Ohio.

Sealed proposals will be received by the Board of Public Service of the City of Youngstown, Ohio, until 12 o'clock noon, Monday, May 28th, 1906, for furnishing 25 tons of soft pig lead.

Specifications may be seen and had at the office of the Bd. of Public Service.

Bids shall contain the full name of every person or company interested, and accompanied by a sufficient bond in the sum of $500.00 to the satisfaction of the Board, or a certified check on a solvent bank, as a guaranty that, if the bid or any part thereof is accepted, a contract will be entered into and the performance of it properly secured.

The Board of Public Service reserves the right to reject any or all bids.

By order of the Board of Public Service.
G. T. PROSSER,
20-2t Clerk.

Department of Public Works.
Bureau of Filtration,
Office, 710 City Hall.
Philadelphia, May 15, 1906.

Sealed proposals, endorsed "Bids for Pumping Station," and addressed to the undersigned, at the office above mentioned, will be received until 12 o'clock, noon, on June 20th, 1906, for

Contract No. 36. Pumping Station Building, Pump Well and Foundations, at Torresdale Filter Plant.

Specifications and blank forms upon which bids must be made can be obtained upon application at Room 712, City Hall.

No bid will be considered unless accompanied by a certificate from the City Solicitor that the provisions of an ordinance requiring proposal bonds when the bids exceed in amount five hundred dollars, approved May 25, 1860 (p. 81, West), have been complied with.

The Director reserves to himself the right to reject any or all bids, as he may deem best for the interests of the city.

THOMAS L. HICKS,
20-2t and 24-1t Director.

FIRE HYDRANTS.

Youngstown, Ohio.

Sealed proposals will be received by the Board of Public Service of the City of Youngstown, Ohio, until 12 o'clock noon, Monday, May 28th, 1906, for furnishing 75 Fire Hydrants.

Specifications may be seen and had at the office of the Bd. of Public Service.

Bids shall contain the full name of every person or company interested, and accompanied by a sufficient bond in the sum of $500.00 to the satisfaction of the Board, or a certified check on a solvent bank, as a guaranty that, if the bid or any part thereof is accepted, a contract will be entered into and the performance of it properly secured.

The Board of Public Service reserves the right to reject any or all bids.

By order of the Board of Public Service.
G. T. PROSSER,
20-2t Clerk.

VITRIFIED PIPE SEWERS, ETC.

Batavia, Ill.

Bids will be received until 2 o'clock P. M., Friday, June 1st, 1906, for the Material and Construction at Batavia, Ill., of a complete system of Vitrified Pipe Sewers, consisting of about seven miles of Pipe with Manholes, Catch Basins and Flush Tanks.

Copies of the Ordinance and specifications can be had on application and plans can be seen at the office of the Board of Local Improvements.

CORNELIUS COLLINS, President,
20-2t Board of Local Improvements.

ELECTRIC GENERATORS, ETC.

Winnipeg, Can.

Sealed tenders addressed to Ald. J. C. Gibson, chairman of Fire, Water and Light Committee, for supply of two 500-horse-power Electric Generators, switchboards, etc., for High Pressure Fire Service Water-Works, will be received at the office of the undersigned up to 3.30 p. m. on

MONDAY, JUNE 4, 1906.

Specifications and forms of tender may be obtained on application to H. N. Ruttan, City Engineer, Winnipeg, Canada.

Each tender must be accompanied by an accepted cheque or draft, payable to the order of the City Treasurer, or cash deposit for the sum called for in the form of tender supplied, which will be subject to forfeiture in case of failure on the part of the contractor to enter into a written contract, with approved sureties, if called upon to do so.

The city reserves the right to reject any or all tenders, or to accept any bid which appears advantageous to the city of Winnipeg.

C. J. BROWN,
City Clerk.

City Clerk's Office,
Winnipeg, May 9, 1906. 20-2t

EXCAVATING.

Sandusky, Ohio.

Sealed proposals will be received at the office of the Board of Public Service, City Hall, until 12 o'clock M., Friday, May 25, 1906, for excavating bed rock and overlying materials from the established channel in Sandusky Bay immediately in front of the City of Sandusky, Ohio.

Plans and specifications may be seen and blank proposals can be obtained at the office of the Board of Public Service, after May 15th, 1906.

Each proposal must contain the full name of the party or parties making the same, and all parties interested therein, and must be accompanied by a certified check, for Three Thousand ($3,000.00) Dollars, payable to the Board of Public Service of the City of Sandusky, Ohio, on a solvent bank in the City of Sandusky, Ohio, as surety that if the proposal be accepted a contract will be entered into in accordance with the terms of the plans and specifications.

No proposal will be entertained unless made on the blanks furnished by the Board of Public Service, and delivered at the office of the Board of Public Service, City Hall, previous to 12 o'clock M. on the day specified.

The City reserves the right to reject any or all bids.

WM. OHLEMACHER,
President Board of Public Service.
CHARLES THIEM,
20-2t Secretary Board of Public Service.

PAVING.

Holyoke, Mass.

Invitation for proposal for eight thousand square yards, or more, of wooden block, vitrified brick or asphalt block pavement.

The undersigned, Board of Public Works of the City of Holyoke, Mass., will receive at Room No. 2, City Hall, Holyoke, until 1.30 o'clock p. m. of Friday, May 25, 1906, sealed proposals for paving material as above, and at the above time and place will publicly open and read the proposals so received.

Bidding blanks, full information and specifications may be had upon application at the office of said Board.

Each proposal must be accompanied by a certified bank check, payable to the order of the City of Holyoke, in the sum of Five Hundred Dollars, or by lawful money of the United States of America in the same sum, in accordance with all provisions of law and the Revised Charter of the City of Holyoke. Envelopes containing bids to be addressed to the Chairman, marked "Proposal for Paving," and left at said office before the time hereinbefore specified.

The right to reject any or all bids or to accept any bid that in the opinion of the Board may be for the best interests of the City of Holyoke is hereby reserved.

Board of Public Works,
M. F. WALSH, Chairman.
G. POTVIN, JR.
WM. A. CHASE.
Holyoke, Mass., May 11, 1906.
Attest: OSCAR C. FERRY,
20-1t Asst. Clerk.

DEPARTMENT OF THE INTERIOR, Washington, D. C., May 12, 1906.—Sealed proposals will be received at the office of the United States Reclamation Service, 876 Federal Building, Chicago, Illinois, until 2 o'clock p. m., July 7, 1906, for manufacturing and furnishing complete 10 or more motor-driven centrifugal pumps of 5 second-feet capacity, to be used on the Garden City Project at Deerfield, Kansas. Particulars may be obtained by application to the Chief Engineer of the Reclamation Service, Washington, D. C.; or to O. H. Ensign, Electrical Engineer, 321 Merchants' Trust Building, Los Angeles, Cal., or to C. E. Gordon, Engineer, Garden City, Kansas. E. A. HITCHCOCK, Secretary. 20-6t

BRIDGES.

Catskill, N. Y.

Sealed bids will be received by the Town Board and Commissioner of Highways of the Town of Catskill, Greene County, N. Y., at the office of the Town Clerk, until the 22d day of May, 1906, at ten o'clock a. m., for the erection of a Reinforced Concrete Bridge, also of a Steel Bridge, with concrete floor, and Stone Arch Bridge, over the Catskill Creek in said town, on the site of the present Upper Town Bridge.

Each bidder will submit a plan in detail and specifications for said bridge complete, together with a statement of length of time in which he will complete the same after the contract is awarded. Full particulars as to location of bridge and character of work desired and any matters pertaining to said bridge and construction thereof can be obtained at the office of Henry G. Millington, Town Clerk, Catskill, N. Y.

Each bidder must enclose with his bid a certified check, payable to the Supervisor of the Town of Catskill, without conditional indorsement, in the sum of $5,000, as a guarantee that if the contract should be awarded to the bidder on his plans and specifications, he will, when required by the Town Board and Commissioner of Highways, execute a contract to perform the work according to said plans and specifications, and furnish such bond as shall be required by the Town Board and Commissioner of Highways. The penalty of such bond to be at least 50 per cent. of the contract price for the completion of the work according to the contract plan and specifications.

Each bidder must indorse on the outside of the sealed envelope containing the bid and certified check, his full name, residence, post-office address, and the names of all parties interested in making said bid.

Bids will also be received by mail. The right to reject any or all bids is expressly reserved by the Town Board and Commissioner of Highways.

Dated May 8, 1906.

HENRY G. MILLINGTON,
20-1t Town Clerk.

SEWERS.

Mount Carmel, Pa.

Sealed proposals for the construction of intercepting outfall sewers will be received by the Borough of Mount Carmel, Pennsylvania, at the City Hall, up to eight o'clock P. M. of the eighth day of June A. D. 1906. Proposals to be addressed to John F. Gibbons, Chairman Sewer Committee, and endorsed "Proposal for Constructing Intercepting Outfall Sewers," and must contain a certified check, drawn upon a National Bank or Trust Company, and made payable to the Borough of Mount Carmel, for a sum equal to five (5%) per centum of the total amount of the proposal.

The work to be done consists of approximately 9,500 ft. of 18-in. terra cotta pipe, 4,900 ft. 12-in. terra cotta pipe, and 42 manholes. Plans may be seen, and specifications and blank forms of proposals and contract may be obtained either of the Chairman of Sewer Committee at Mount Carmel, Pennsylvania, or of the Consulting Engineer at Wilmington, Delaware. The right to reject any and all proposals is reserved.

JOHN F. GIBBONS,
Chairman Sewer Committee.
T. CHALKLEY HATTON,
20-3t Consulting Engineer.

SEWERS.

Mauston, Wis.

Sealed proposals will be received by the City Clerk of Mauston, Wis., until 8 p. m., June 1, 1906, for the construction of vitrified pipe sewers. Each bid is to be accompanied by a certified check for $300.00 and the successful bidder will be required to furnish a bond in the sum of $3,000.00. Plans may be seen at the Clerk's office or at 31 Vroman Bldg., Madison, Wis.

The right is reserved to reject any or all bids. The amount of the work is as follows: 532 ft. of 24-in. pipe sewer; 1,373 ft. of 10-in.; 341 ft. of 8-in. pipe sewer; total, 2,246 ft.; depth of trench, 5 ft. to 10 ft.; 9 catch basins; 7 manholes.

W. G. KIRCHOFFER, Engineer.
20-1t Madison, Wis.

PROPOSALS FOR DREDGING.—Office of the Constructing Quartermaster, Fort Totten, Willets Point, N. Y., May 4, 1906.—Sealed proposals for dredging at this post will be received at this office until 3 p. m., June 4, 1906, and then opened. Necessary information furnished on application. Envelopes containing proposals should be marked "Proposals for Dredging," and addressed Capt. GEO. H. McMANUS, Constructing Quartermaster. 19-4t

Situations Open

WANTED—An experienced quarry foreman for trap rock quarry; also two (2) road roller engineers for 10-ton rollers. Address "G. A. 20," Engineering News, New York. 20-1t

WANTED—A man to take an interest in and to invest $10,000, more or less, in a construction company, incorporated in Massachusetts, with a large plant and an extensive business but handicapped by lack of ready money. Address "H. 16," Engineering News, New York. 20-tf

WANTED—Mechanical draftsmen who could adapt themselves to railway special track work; permanent position; state age, experience, and salary expected. Address all communications to WM. WHARTON, JR., & CO., INC., Station D, Philadelphia, Pa. 20-1t

WANTED—Civil engineers familiar with trigometrical and logarithmic computations; those familiar with railway special track work preferred; permanent position; state age, experience, and salary expected. Address all communications to WM. WHARTON, JR., & CO., INC., Station D, Philadelphia, Pa. 20-1t

WANTED—First-class mechanical engineer as purchasing agent; only one having experience in purchasing need apply. State full particulars as to references, salary, etc. Eastern or Pennsylvania men preferred. Address "H. B. 20," Engineering News, New York. 20-2t

WANTED.—Draftsman for general building work; one familiar with reinforced concrete preferred; state age, experience and salary expected. Address AMERICAN CONCRETE-STEEL CO., Newark, N. J. 20-3t

WANTED.—Structural iron detailers; state age, salary expected and when able to report. Address GRAINGER & CO., Louisville, Ky. 20-2t

WANTED.—Assistant city engineer; salary, seventy-five per month; must be good instrumentman and familiar with municipal work. Address "A. A. 20," Engineering News, New York. 20-1t

WANTED. — Mechanical and structural draftsmen; state experience and salary wanted. Address TENN. COAL, IRON & R. R. CO. (Engineering Dept.), Ensley, Ala. 20-2t

STUDENTS IN CIVIL ENGINEERING—Desiring summer or permanent employment on relocation surveys of an Eastern railroad are invited to address "P. 20," care of Engineering News, stating age, education, experience, lowest salary and period of time open for service. 20-1t

WANTED.—A superintendent for a rock crushing plant; state experience and salary wanted. Address THE F. W. KATTERJOHN CONST. CO., O'Hara, Caldwell, Ky. 20-4t

WANTED.—Competent civil engineer having practical experience in contracting reinforced concrete work; permanent position; good opportunity for advancement. Write EXPANDED METAL & CORRUGATED BAR CO., Frisco Building, St. Louis, Mo. 20-1t

"WANT"

Advertisements in ENGINEERING NEWS cost 1½ cents a word an insertion for "Situations Wanted" and 3 cts. a word for "Situations Open" and "Miscellaneous Wants." Read them weekly as they will help you.

WANTED.—A first-class checker on structural work for buildings, near New York City. Give experience, salary expected, and when you could report for work. Address "Z. A. 20," Engineering News, New York. 20-3t

WANTED.—Salesman to sell wire rope in the west and south. Men with mechanical and engineering ability preferred; state age, name of previous employers, how long with each, reasons for changing, class of goods handled, territory covered, references, salary wanted. Answers well treated in confidence. Those not giving information asked for not considered. Address "B. A. 20," Engineering News, New York. 20-1t

WANTED. — Draftsman; one thoroughly familiar with steam and hot water and power pipe construction work, so that plans for such work can be prepared under the direction, but without requiring constant supervision of superintendent. Address, stating age, experience and wages wanted, THE JOHN H. McGOWAN CO., Cincinnati, O. 20-1t

WANTED.—A young man of sound education and technical training, to teach mechanical drawing and similar academic subjects, and to assist the superintendent, in a trade school; must speak German. Address, giving full particulars, J. ERNEST G. YALDEN, 222 East 64th St., New York. 20-1t

WANTED.—First-class detailers of steel columns, girders and roof trusses; state age, references and salary expected. Address "M. 20," Engineering News, New York. 20-1t

WANTED.—One or more good draftsmen for general engineering work. Address "O. 20," Engineering News, New York. 20-2t

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20 x 21 x 42-inch duplex, with Meyer cut-off. Cylinders re-bored, new heads and rings. Everything A-1.

Franklin Iron Works

20-4t POTTSVILLE, PA

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D. C. D. D. 8 x 10 inches or larger; four independent winch heads. State make, condition, price, etc. JACKSON & CORBETT BRIDGE AND STEEL WORKS, Rookery, Chicago. 20-1t

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7" x 10" Lambert D. C. [illegible] drum, with swinging gear.
6½" x 8" Lambert D. C. dou[illegible] drum.
6½" x 8" Lambert D. C. sin[illegible] drum.
6½" x 8" Lambert S. C. sin[illegible] drum.
8½" x 10" Lambert D. C. [illegible] drum, with boiler.
7" x 10" Lambert D. C. dou[illegible] drum.
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Write for our stock list of [illegible] boilers, heaters, pumps and machinery.

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JUNE 2, 1906

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29—Canal.
—Coaling

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2—Motor
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15—Hotel

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